حمل الآن

مجانا وحصريا

امتحانات رقم (1)







El-Moasser Final Examination Models

Model Exam 1

1 (A) Write the scientific term of each of the following :

1. A mixture of rock, sand and water which becomes hard after it dries. (........................)
2. It is a group of atoms bound together. (........................)
3. It is often located at the center of the cell. (........................)
4. The system which helps the body to move. (........................)

(B) Give a reason for the following :

The cell allows water to go outside it.

....

....

2 (A) Choose the correct answer :

1. The .... energy is related to the motion of particles of matter.
   a. chemical b. potential c. light d. thermal
2. All the following animals have bones in their bodies, except ....
   a. cats. b. dogs. c. birds. d. insects.
3. The systems of the human body get their needed energy from ....
   a. the Sun. b. waste. c. food. d. carbon dioxide.
4. The .... of an object and its .... from the Earth's surface affect the gravity force.
   a. mass – color b. distance – mass
   c. mass – distance d. volume – distance

(B) What happens to ...?

Molecules' movement of a hotter substance after mixing it with a cooler substance.

....

3 (A) Put (✓) or (✗) :

1. Metals such as copper and iron allow heat to travel freely through them. ( )
2. Food coloring (dye) spreads out in cold water faster than in hot water. ( )
3. Cobalt is an example of magnetic materials. ( )
4. In series circuits, the electric current can flow in different branches. ( )

(B) Look at the opposite figure, then complete the following sentences :

1. Structure number .... controls the formation of proteins.
2. Structure number .... contains chlorophyll pigment which is found in plant cell only.
3. Structure number .... transports proteins inside the cell to build and repair the cell.

Model Exam 2

1 (A) Put (✓) or (✗) :

1. We can measure the temperature by using thermometers. ( )
2. Matter can't be changed from one form to another. ( )
3. If your body doesn't get rid of waste, you will be healthy. ( )
4. Sometimes electricity can be used to help the human's heart to contract. ( )

(B) Give a reason for the following :

Cats are considered as multicellular organisms.

....

....

2 (A) Write the scientific term of each of the following :

1. The state of matter which changes into liquid state by heating. (........................)
2. They are scientists who study cells. (........................)
3. The materials that are attracted to the magnet. (........................)
4. The organ that controls the level of sugar in the human body. (........................)

(B) What happens to ...?

The mass of a piece of butter after melting it.

....

3 (A) Complete the following sentences :

1. The .... point and .... point are physical properties of matter.
2. Chlorophyll absorbs the energy of .... to allow the plant to make its own food by .... process.

3. The electric current causes .... in the human body as it contains .... that is a good conductor of electricity.
4. Stomach contains an .... and some .... that lead to more food breakdown.

(B) Cross out the odd word :

1. Conduction – Convection – Friction – Radiation. (........................)
2. Plastic – Copper – Iron – Aluminum. (........................)

Model Exam 3

1 (A) Choose the correct answer :

1. Heat is transferred through solids by ....
   a. radiation only. b. conduction and convection.
   c. conduction only. d. radiation and convection.
2. Particles of all the following substances have a lot of energy, except ....
   a. oxygen. b. carbon dioxide. c. water vapor. d. glass.
3. We can see the cell of .... without using a microscope.
   a. bacteria b. plant c. human d. bird's egg
4. Urination process happens by the help of .... system.
   a. digestive b. urinary c. respiratory d. skeletal

(B) What happens if ...?

A magnet is approached close to some iron nails mixed with small pieces of paper.

....

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2 (A) Complete the following sentences :

1. When a substance is contracted, its volume .... , while its volume increases when it is ....
2. Mitochondria in muscle cells convert .... inside the cells into .... which is needed for doing different exercises.
3. The relation between magnetism and electricity is used in electric .... , electric generators and electric ....
4. Plastic is made by .... change of some compounds of ....

(B) Give a reason for the following :

Stomach secretes a digestive fluid when the food reach it.

....

....

3 (A) Correct the underlined words :

1. When the temperature of solids <u>increases</u>, their volume decrease. (........................)
2. Friction <u>increases</u> the speed of moving objects. (........................)
3. A group of different tissues can form <u>a cell</u>. (........................)
4. The electric <u>current</u> is the path for electricity that consists of many components. (........................)

(B) Look at the following figure, then write the correct number beside the suitable sentence :

1. Energy producers. (..............)
2. Cell division. (..............)
3. Assembling and transporting proteins. (..............)
4. Selective permeability. (..............)

Model Exam 4

1 (A) Complete the following sentences by using the words below :

(high power – proteins – plastic – urea – more clearly – copper – conducting – non-magnetic)

1. Thermal .... materials allow heat to travel freely through them such as ....
2. You can see cells of an examined sample .... by using the .... objective lens of the microscope.
3. Some substances can pass through nephrons as .... , while other substances cannot pass through nephrons as ....
4. Copper and .... will not attract to the magnet as they are .... materials.

(B) Give a reason for the following :

Muscle cells are in the form of long fibers.

....

....

2 **(A) Put (✓) or (✗) :**

1. In electric iron, heat transfers from cloth to iron. ( )
2. When a liquid is cooled, it may change into gas. ( )
3. Chloroplasts are found in the cells of banana plant leaves. ( )
4. Diabetes disease is one of the disorders of the respiratory system. ( )

(B) What happens to ...?

The force of gravity if the distance between an object and Earth's center increases.

....

3 **(A) Choose the correct answer :**

1. Changing from gas to liquid is called ....
   a. melting. b. evaporation. c. condensation. d. freezing.
2. Most plants appear in .... color due to the presence of chlorophyll pigment in their cells.
   a. yellow b. blue c. red d. green
3. The internal switch on a .... can be used in the refrigerator to adjust its temperature.
   a. battery b. thermostat c. light bulb d. wall socket
4. All the following are properties of steel, except that ....
   a. it is a mixture of rock and sand. b. it is a mixture of iron and other elements.
   c. it is strong material. d. it lasts for a long time.

(B) Arrange the three states of water (ice – water – steam) in a descending order according to :

1. Force holding the molecules together.

....

2. Spaces between the molecules.

....

Model Exam 5

1 **(A) Write the scientific term of each of the following :**

1. The component of cell that allows water to enter and exit the cell. (........................)
2. The materials that the electric charges can flow through. (........................)
3. The mass of a substance doesn't change when this substance changes from one state into another. (........................)

4. A hormone that controls the level of sugar in the human body. (........................)

(B) What happens to ... ?

The size of an inflated balloon if it is put in hot weather.

....

2 (A) Put (✓) or (✗) :

1. Expansion and contraction are two opposite processes. ( )
2. Bacteria and horse are considered as multicellular organisms. ( )
3. Muscle cells cannot store and use energy quickly. ( )
4. Smart clothes can light up in dark places. ( )

(B) Look at the following figures then answer :

Figure (A)

Figure (B)

(a) Choose :

1. Which of these figures is a series circuit ? .... (Figure A – Figure B)
2. Which of these figures is a parallel circuit ? .... (Figure A – Figure B)

(b) Put (✓) or (✗) :

1. If we remove a lamp from the circuit in figure (A), the other lamp still lit. ( )
2. If the switch in figure (B) is replaced by a metallic paper clip, all lamps will turn off. ( )

3 (A) Choose the correct answer :

1. Meteorologists are scientists who study ....
   a. weather. b. rocks. c. water. d. space.
2. Materials .... on heating.
   a. expand b. contract c. compress d. do not change
3. The stomach is composed of a group of different ....
   a. cells. b. systems. c. organs. d. tissues.

4. Musculoskeletal system takes nutrients from .... system for growth of muscles.

   a. circulatory b. digestive c. nervous d. respiratory

(B) Give a reason for the following :

The heart has a natural pacemaker.

....

....

Model Exam 6

1 (A) Choose the correct answer :

1. To make clothes we can use ....

   a. steel. b. concrete. c. rocks. d. flexible fabric.

2. The animal cell cannot make photosynthesis process, because it doesn't have ....

   a. nucleus. b. chloroplasts. c. mitochondria. d. sap vacuole.

3. In a dangerous situation, your eyes send the information to the .... to perform the suitable action.

   a. brain b. stomach c. lungs d. heart

4. The molecule is composed of very small particles called ....

   a. compounds. b. cells. c. atoms. d. mixtures.

(B) Give a reason for the following :

Cobalt and nickel are considered as magnetic materials.

....

....

2 (A) Complete the following sentences :

1. Friction between a moving car and a road causes changing of its .... energy into .... energy.
2. The generator consists of large .... and ....
3. Cell wall is made up of .... and gives the plant cell its definite ....
4. Endocrine system consists of .... which secrete hormones to control the body temperature and blood ....

(B) What happens to ... ?

The level of alcohol inside a thermometer if we put it inside cold water.

....

3 **(A) Correct the underlined words :**

1. We can see the cells of all living organisms with the naked eye. (........................)
2. Pancreas absorbs most of water from the undigested food. (........................)
3. Substances in gas form have the least thermal energy. (........................)
4. Magnetism is a pulling or pushing force, while gravity is a pushing force only. (........................)

(B) Choose from column (B) what suits it in column (A) :

(A)	(B)
1. Plastic	a. is an essential component of life on Earth.
2. Metal	b. is used to make the electric iron handle.
3. Calorie	c. is a thermal conductor.
4. Heat	d. is the measuring unit of heat.
	e. is the measuring unit of volume.

1. .... 2. .... 3. .... 4. ....

Model Exam 7

1 **(A) Put (✓) or (X) :**

1. The heart is important in our body as it beats consistently for the duration of our lives. ( )
2. Thermal conductors are good conductors of heat. ( )
3. Cell biologists are scientists who study rocks. ( )
4. Expansion and contraction of matter occur due to changes in temperature. ( )

(B) What happens if ...?

The blood does not pass through the two kidneys during its circulation inside the human body.

....

2 **(A) Write the scientific term of each of the following :**

1. They are materials that slow down the heat transfer through them. (........................)
2. A form of energy produced from generators and turbines. (........................)
3. It surrounds the plant cell to give it a definite shape. (........................)
4. They are muscles that you can control their movement. (........................)

(B) Give a reason for the following :

Particles of steam have higher thermal energy than particles of water.

....

....

3 (A) Cross out the odd word :

1. Plastic – Copper – Wood – Glass. (..........................)
2. Human – Fish – Plant – Bacteria. (..........................)
3. Urine – Oxygen gas – Carbon dioxide gas – Sweat. (..........................)
4. Oil – Milk – Iron – Vinegar. (..........................)

(B) Look at the opposite figure, then answer the questions :

Label the figure :

(1) .... (2) ....

(3) .... (4) ....

(1) (2) (3) (4)

Model Exam 8

1 (A) Complete the following sentences :

1. Concrete is used as the base of .... and .... as it is very strong.
2. Cellulose makes up the .... which is found in .... cells only.
3. The gravity of Earth is affected by two factors which are .... and ....
4. After completing the digestion of food, the walls of .... absorb the nutrients through .... that carry them to all body parts.

(B) Give a reason for the following :

Engineers use expansion points in the designing of bridges.

....

2 (A) Choose from column (B) what suits it in column (A) :

(A)	(B)
1. Battery	a. is a matter that has fixed shape and volume.
2. Iron	b. heat is transferred between molecules of boiling water.
3. Muscle cells	c. is a source of electric charges in the circuit.
4. By convection	d. are cells in the form of long fibers to allow movement.
	e. is a matter that has variable shape and volume.

1. .... 2. .... 3. .... 4. ....

(B) What happens to ...?

The lungs when the diaphragm muscle contracts.

....

3 (A) Put (✓) or (✗) :

1. Molecules of cold or hot substances always move. ( )
2. Exoskeleton gives some insects their shapes. ( )
3. No spaces are left between railroad tracks. ( )
4. Magnets attract the non-magnetic materials such as iron, nickel and steel. ( )

(B) Look at the opposite figure, then put (✓) or (✗) :

1. Label (2) refers to a state of matter in which its particles move very fast. ( )
2. Label (1) refers to a state of matter in which its particles have the highest thermal energy. ( )
3. At low temperatures, matter of label (3) may change into gas state. ( )
4. Matter of label (1) has thermal energy more than that of matter of label (3) ( )

Model Exam 9

1 (A) Write the scientific term of each of the following :

1. It occurs when heat transfer stops between two objects when they reach the same temperature. (..........................)
2. The area around the magnet in which its force appears. (..........................)
3. A device used to measure the temperature. (..........................)
4. A disease that is resulting from the disorder of secreting insulin hormone by pancreas. (..........................)

(B) What happens if ...?

The animal cell is surrounded by cell wall.

....

2 (A) Choose the correct answer :

1. The body of .... is composed of one cell only.
   a. human b. bacteria c. a big tree d. an elephant
2. Railroad tracks are made up of ....
   a. iron. b. plastic. c. coal. d. glass.

3. The diaphragm helps you breath in when it .... and breath out when it ....
   a. contracts – moves down. b. relaxes – moves up.
   c. relaxes – contracts. d. contracts – relaxes.
4. .... is used to slow the flow of an electric current in the electric circuit.
   a. A battery b. A switch c. A resistor d. A lamp

(B) Give a reason for the following :

The lower part of an electric iron is made of iron.

....

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3 **(A) Complete the following sentences :**

1. Wood, ... and .... are examples of electric insulators.
2. The presence of .... pigment gives most plants their .... color.
3. Urine is composed of .... , other waste materials and ....
4. Different materials .... by heating and .... by cooling.

(B) Look at the figures below, then answer the questions :

1. In which figure the hand will feel heat ?

....

2. Give a reason for your answer.

....

Iron handle

Figure (A)

Plastic handle

Figure (B)

Model Exam 10

1 **(A) Choose the correct answer :**

1. The smallest tiny structures that build up all living organism's bodies are ....
   a. systems. b. cells. c. organs. d. bricks.
2. Engineers design special devices to work instead of .... organ which filter the blood from waste materials.
   a. stomach b. heart c. kidney d. lung
3. Magnets can be made of ....
   a. copper. b. glass. c. iron. d. plastic.

4. All of these substances are solids, except ....
   a. soup. b. snow. c. pen. d. iron.

(B) Give a reason for the following :

You feel heat, when you touch a metal spoon placed in a hot cup of tea.

....

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2 (A) Put (✓) or (✗) :

1. The needle of a galvanometer moves when moving a magnet in and out of a copper coil. ( )
2. Plastic often resists burning. ( )
3. Heat flows from a colder substance to a hotter substance. ( )
4. All systems in your body work together in an integrated way. ( )

(B) What happens if ...?

There is much water enters the cell.

....

---

3 (A) Complete the following sentences :

1. Concrete is in a .... state when it is formed, while after it dries, it becomes in a .... state.
2. Plant cell contains one big .... which stores nutrients, water and waste materials, while animal cell contains many small .... which do the same function as in plant cell.
3. The lungs release the air that is rich in .... gas, when the .... muscle relaxes.
4. All objects are pulled toward Earth's .... due to the .... force of Earth.

(B) Look at the opposite figure that represents wet clothes that are put on a washing line to dry, then put (✓) or (✗) in front of the following sentences :

1. Water in the clothes turns into water vapour in the air as they dry. ( )
2. Molecules of water in the clothes move slower after changing into water vapour. ( )
3. The change of state of water from liquid state to gas state is known as evaporation. ( )
4. The kinetic energy of water molecules is greater than that of water vapor molecules. ( )



Final Examinations of some governorates | on the first term 2024

1 Cairo Governorate — Heliopolis Educational Zone

1 (A) Complete the following sentences :

1. Magnets attract some metals such as .... and ....
2. Heat will flow from the .... substance to the .... one.
3. Milk is a matter in .... state, while helium is a matter in .... state.
4. When two muscles work together to carry out a movement, one muscle .... while the other one ....

(B) What happens to ...?

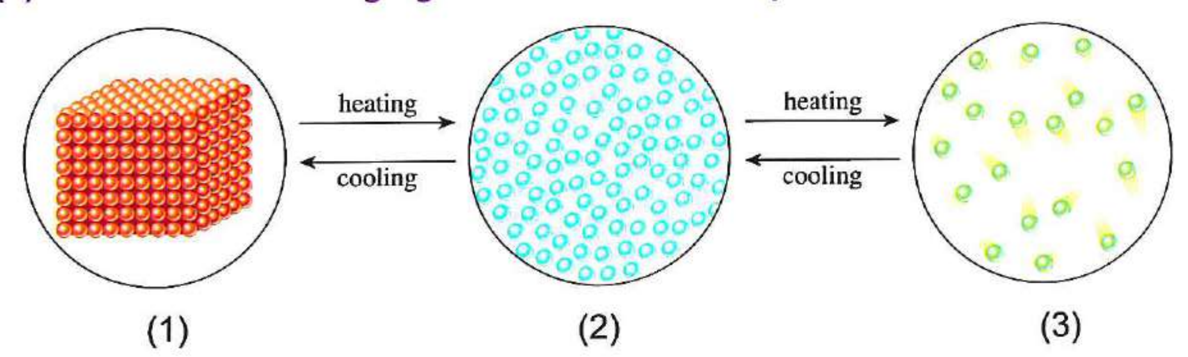
The brain of cyclist when he sees a dangerous situation.

....

2 (A) Put (✓) or (✗) on the following statements :

1. Thermometer is used to measure the temperature of materials. (   )
2. Plant cells and animal cells are completely similar in structure. (   )
3. In the parallel circuits, the electric current can flow in one branch. (   )
4. Excretion process is necessary to convert complex food into simpler substances. (   )

(B) Look at the following figure then answer the questions :



1. The process of changing matter from state (3) to state (2) is called ....
2. What happens to the speed of molecules when the matter is changed from state (1) to state (2) ?

....

3 (A) Choose the correct answer :

1. .... is the transfer of heat due to the movement of liquid or gas.

   a. Radiation b. Freezing c. Convection d. Conduction

2. Nucleus is responsible for controlling ....
   a. formation of proteins and cell division.
   b. formation of proteins and transport materials.
   c. transport proteins and made up of cellulose.
   d. transport proteins and storage of nutrient.
3. The factors which effect on gravitational force ....
   a. mass and shape.
   b. distance and mass.
   c. mass and volume.
   d. distance and volume.
4. Look at the figure front of you, which shows temperatures of 2 liquids (milk & tea). After mixed them the temperature equals 50°C. At this point, ...

Temperature
60
50
40
30
20
10
Milk
Tea

   a. the heat transfers from milk to tea.
   b. the heat transfers from tea to milk.
   c. the temperature of tea increases.
   d. the heat transferring stop between them.

(B) Cross the odd word and name the group of the rest words :

Chloroplast – Cell wall – Trachea – Sap vacuole.

1. The word : .... 2. The group : ....

2 Cairo Governorate — El-Nozha Educational Zone

1 (A) Choose the correct answer :

1. The temperature during melting of solid ....
   a. decreases. b. increases.
   c. doesn't change. d. may increase or decrease.
2. Muscles of stomach and muscles of heart can be controlled by .... system.
   a. digestive b. circulatory c. nervous d. respiratory
3. The tube which transports the urine from the bladder is the ....
   a. vein. b. trachea. c. urethra. d. artery.
4. Scientists use a .... to detect the flow of electric current.
   a. generator b. galvanometer c. battery d. switch

(B) Give a reason for the following :

Heart muscle contracts and relaxes without stopping.

....

2 (A) Put (✓) or (✗) :

1. When objects lose heat, they will contract. ( )
2. Cellular respiration takes place inside cells by golgi apparatus. ( )
3. When you go down on a slide, your stored kinetic energy changes into potential energy. ( )
4. Water in dams are used to operate wind turbines. ( )

(B) What happen if ...?

Pancreas doesn't make its function correctly.

....

3 (A) Choose from column (B) what suits it in column (A) :

(A)	(B)
1. Chloroplasts 2. Involuntary muscles 3. Electric circuit 4. Condensation	a. they are muscles that move automatically and you cannot control their movement. b. the change of state of matter from gas to liquid by cooling. c. they are responsible for making photosynthesis process inside plant cells. d. it is a closed path through which electrons move.

1. .... 2. .... 3. .... 4. ....

(B) What is the function of high power objective lens in microscope ?

....

3 Cairo Governorate — Al Mokattam Educational Zone

1 (A) Choose the correct answer :

1. The animal cell cannot make photosynthesis process, because it doesn't have ....
   a. nucleus. b. cytoplasm.
   c. chloroplasts. d. sap vacuole.
2. Musculoskeletal system allows the body to ....
   a. digest food. b. move from place to another.
   c. transmit nutrients. d. breath.
3. All of the following are responsible for excretion process, <u>except</u> ....
   a. digestive system. b. skin.
   c. respiratory system. d. urinary system.

4. Which of the following is a poor conductor of electricity and used to coat wires ? ....
   a. A conductor. b. An insulator. c. A switch. d. A battery.

(B) Give a reason for the following :

Blood cells and proteins can't pass through kidney's nephrons.

....

2 (A) Put (✓) or (X) :

1. Hot water molecules have more kinetic energy than cold water. ( )
2. Glycogen is converted into glucose and stored in liver and muscles. ( )
3. Copper and iron allow heat to travel freely through them. ( )
4. The force of gravity increases between an object and the Earth's surface when the distance between them increases. ( )

(B) What happens if ...?

The electric circuit doesn't contain switch.

....

3 (A) Complete the following sentences :

1. Materials that don't conduct electricity called ....
2. We can use .... dye to make the nucleus of all cells more visible.
3. Bundles of muscles tissues are organized to form the ....
4. Cellulose make up .... that found in .... cell.

(B) Give a reason for the following :

Animal cell doesn't have definite shape.

....

4 Cairo Governorate — Science Inspectorate

1 (A) Choose the correct answer :

1. The organ which is responsible for secreting insulin hormone is ....
   a. stomach. b. liver. c. pancreas. d. mouth.
2. The area around the magnet in which magnetic force appears is ....
   a. gravity. b. electric current.
   c. electric conductor. d. magnetic field.
3. Heat transfers from ....
   a. a cold object to an object has the same temperature.
   b. a hot object to an object has the same temperature.
   c. a cold object to a hot object.
   d. a hot object to a cold object.

4. Heat transfers through copper and iron by ....
   a. radiation only.
   b. radiation and convection.
   c. conduction only.
   d. conduction and convection.

(B) Give a reason for the following :

Plant cell can make photosynthesis process.

....

2 (A) Complete the following sentences :

1. .... is the building unit of living organism's bodies.
2. The electric circuit contains .... which is responsible for opening and closing the circuit.
3. .... is the process in which matter changes from liquid state to solid state.
4. .... materials slow down the heat transfer.

(B) Cross out the odd word :

Iron – Nickel – Aluminum – Cobalt. (........................)

3 (A) Put (✓) or (✗) :

1. The electric devices in houses are connected in series circuits. (   )
2. Heart muscle is considered as an involuntary muscle. (   )
3. Urine is expelled outside the body through skin. (   )
4. By decreasing temperature, the spaces between molecules of a substance decrease. (   )

(B) What happens to ... ?

The level of alcohol inside a thermometer if we put it in cold water.

....

5 Giza Governorate — Science Inspectorate

1 (A) Write the scientific term of each of the following :

1. The main building unit of the living organism's body that can do all its vital processes. (........................)
2. Muscles that move automatically and we cannot control their movement. (........................)
3. The temperature at which matter changes from liquid state to gas state. (........................)
4. They are materials that slow down the heat transfer. (........................)

(B) Give a reason for the following :

Mitochondria act as electrical power stations in cities.

....

2 (A) Complete the following sentences :

1. The plant cell has definite shape because it has ....
2. Magnets attract some metals such as ....
3. The .... state of matter has indefinite shape and volume.
4. The heat of the Sun can transfer through space to the Earth by ....

(B) What happens when ... ?

The front muscle of the upper arm contracts.

....

3 (A) Choose the correct answer :

1. All the following help in excretion process that remove waste materials, except ....
   a. respiratory system. b. urinary system.
   c. digestive system. d. skin.
2. The .... is used in electric circuit to limit the flow of electric current.
   a. electromagnet b. resistor c. dynamo d. motor
3. When a thermometer is put in a hot water, the alcohol inside it will ....
   a. expand. b. contract. c. decrease. d. does not affect.
4. If you mix a cup of water with temperature 20°C to another with temperature 60°C, the temperature of the mixture will be ....
   a. 60°C b. 20°C c. 10°C d. 38°C

(B) The figure that represents the way of connecting devices in houses is figure (........................).

Figure (A)

Figure (B)

6 Giza Governorate — Science Inspectorate

1 (A) Choose the correct answer :

1. Changing from gas to liquid is called ....
   a. melting. b. evaporation. c. condensation. d. freezing.
2. Most plants appear in .... color due to the presence of chlorophyll pigment in their cells.
   a. yellow b. blue c. red d. green

3. Stomach is composed of a group of different ....
   a. cells. b. systems. c. organs. d. tissues.
4. The .... system provides the skeletal system with nutrients which are transported by the .... system to the cells of skeletal system.
   a. circulatory – digestive
   b. digestive – circulatory
   c. nervous – digestive
   d. circulatory – nervous

(B) What happens to ...?

The mass of a piece of butter after melting it.

....

2 (A) Put (✓) or (✗) on the following statements :

1. The heart is important in our body as it beats consistently for the duration of our lives. ( )
2. Thermal conductors are good conductors of heat. ( )
3. Cell biologists are scientists who study rocks. ( )
4. Expansion and contraction of matter occur due to changes in temperature. ( )

(B) Give a reason for the following :

The cell allows water to go outside it.

....

3 (A) Write the scientific term of each of the following :

1. The state of matter which changes into liquid state by heating. (.........................)
2. The materials that are attracted to the magnet. (.........................)
3. The organ that controls the level of sugar in the human body. (.........................)
4. It is a group of atoms bound together. (.........................)

(B) Cross the odd word :

Conduction – Convection – Friction – Radiation. (.........................)

7 Alexandria Governorate — East of Alex. Educational Zone

1 (A) Complete the following sentences :

1. The .... is the component of the cell that allows water to enter and exit the cell.
2. The body send more .... blood to the muscle and brain when the rate of heartbeats increases.
3. To adjust the temperature inside some devices as fridge, ... is used.
4. Gold and copper are considered from .... materials as they do not attracted to the magnet.

(B) What happens if ...?

Absence of expansion joints in the designed bridges.

....

2 (A) Put (✓) or (✗) on the following statements :

1. Heat transfers between two objects that have the same temperature. ( )
2. Mitochondria provide the cell with the needed food. ( )
3. The electric devices in houses are connected in series. ( )
4. The muscle that helps in moving the eyes in different directions is a voluntary muscle. ( )

(B) Write the scientific term of each of the following :

The movement of charged particles through a conducting wire. (........................)

---

3 (A) Choose the correct answer :

1. All of the following help in excretion process, except ....
   a. skin. b. lungs. c. urinary system. d. digestive system.
2. The magnetic field can be formed when the electric current flows in wires around ....
   a. metal core. b. glass core. c. air. d. battery.
3. The object that has more thermal energy, has .... kinetic energy
   a. less b. the same c. more d. zero
4. The heat transfers through solids by ....
   a. radiation. b. conduction. c. convection. d. radiation and convection.

(B) Give a reason for the following :

Some electric circuits contain resistors.

....

8 Alexandria Governorate — El-Montazah Educational Zone

1 (A) Choose the correct answer :

1. The plant cell is surrounded by ....
   a. cell membrane. b. cell wall.
   c. cytoplasm. d. nucleus.
2. All the following are electric insulators, except ....
   a. wood. b. plastic. c. rubber. d. copper.
3. The forearm moves toward the shoulder when the muscle in the front ....
   a. relaxes. b. contracts.
   c. relaxes and contracts. d. doesn't move.
4. Which of the following provide the cells with energy ? ....
   a. Chloroplasts. b. Cell wall. c. Nucleus. d. Mitochondria.

(B) Mention one function of the two kidneys.

....

2 **(A) Choose from column (B) what suits it in column (A) :**

(A)	(B)
1. Sap vacuole	a. all other cell parts float in it.
2. Nucleus	b. stores nutrients, water and waste materials.
3. Cytoplasm	c. controls the cell division.
4. Stomach	d. a group of different tissues.
	e. a group of systems.

1. .... 2. .... 3. .... 4. ....

(B) What happens if ... ?

You touch a hot cup of tea. (according to the transfer of heat)

....

3 **(A) Put (✓) or (✗) on the following statements :**

1. All electric circuits in our homes are connected in parallel. ( )
2. Molecules of solids move faster than the molecules of liquids. ( )
3. Absorption of food occurs in the small intestine. ( )
4. All systems in the human body work together. ( )

(B) Give a reason for the following :

Undigested food become solid wastes inside the large intestine.

....

9 Qalyoubia Governorate — Qalyoubia Educational Zone

1 **(A) Choose the correct answer :**

1. The control center of the cell which is responsible for cell division is ....
   a. nucleus. b. mitochondria. c. cell membrane. d. golgi apparatus.
2. .... supply the cell with the energy it needs.
   a. Cell wall b. Mitochondria c. Cytoplasm d. Golgi apparatus
3. Objects with less thermal energy have .... kinetic energy.
   a. more b. less c. the same d. no
4. .... is the transfer of heat in space or gases.
   a. Radiation b. Conduction c. Freezing d. Convection

(B) Describe the following city structures as cell structure :

1. City hall as : ....
2. Guards at city gates as : ....

2 **(A) Put (✓) or (X) on the following statements :**

1. Heart muscle is from voluntary muscles. ( )
2. Sweat is excreted by the lung. ( )
3. Boiling point is the temperature at which liquid matter changes into gas. ( )
4. Plastic is an example for materials that resists the transfer of thermal energy. ( )

(B) Mention the components of :

The electric circuit : ....

3 **(A) Complete the following sentences using the words between brackets :**

(Insulator – Temperature – Evaporation – Diabetes)

1. .... disease is one of the disorder of the endocrine system.
2. .... is a material in which electricity does not flow easily.
3. .... is a measure of average of kinetic energy of particles in any substance.
4. .... is the change of matter from liquid state to gas state by heating.

(B) Cross the odd word :

Molecules come close – Spaces decrease – Expansion – Contraction. (.................)

10 El-Sharkia Governorate — Science Inspectorate

1 **(A) Complete the following sentences :**

1. Living organisms that their bodies consist of one cell called ....
2. A process in which matter changes from liquid state to gas state is ....
3. There are three states of matter solid, ... and gas.
4. The system that responsible for getting rid of wastes in human is ....

(B) Give a reason for the following :

The cell works as a living system.

....

2 **(A) Put (✓) or (X) on the following statements :**

1. The cellular respiration occurs in endoplasmic reticulum. ( )
2. Skeletal muscles we can control their motion. ( )
3. Matter changes from state to another state by cooling or heating. ( )
4. Electrical energy is a form of matter. ( )

(B) Classify these materials into magnetic and non-magnetic :

(Gold – Nickel – Iron – Aluminum)

Magnetic materials	Non-magnetic materials
....	....

3 **(A) Write the scientific term of each of the following :**

1. A group of tissues does a special function. (..........................)
2. A system which secretes hormones that help the body to respond in different situations. (..........................)
3. A device for generating electricity by using magnets. (..........................)
4. Way of transferring heat through liquids and gases. (..........................)

(B) What is the function of galvanometer ?

....

11 Dakahlia Governorate

Dakahlia Educational Zone

1 **(A) Choose the correct answer :**

1. Gravity and magnetism are similar in that, ...
   a. they are forces that attract all objects.
   b. we cannot see them.
   c. they are repulsion forces only.
   d. they are attraction forces only.
2. All the following animals have bones in their bodies, except ....
   a. dogs. b. birds. c. insects. d. cats.
3. The body of .... is composed of one cell only.
   a. human b. bacteria c. a big tree d. an elephant
4. The artificial pacemaker is inserted into the .... of human body.
   a. legs b. chest c. neck d. brain

(B) Give a reason for the following :

The electric circuit is considered as a system.

....

2 **(A) Put (✓) or (✗) on the following statements :**

1. Robert Hooke used his microscope to observe cells of some samples of plant parts. (   )
2. The cell organelles float in the cytoplasm. (   )
3. Exoskeleton gives some insects their shapes. (   )
4. When the heartbeats increase, the blood pressure decreases. (   )

(B) What happens if ...?

Large magnet spins at a high speed around coiled wires.

....

3 (A) Choose from column (B) what suits it in column (A) :

(A)	(B)
1. Electricity	a. is a closed path through which electrons move.
2. Electric conductors	b. are materials that electric charges flow through.
3. Electric circuit	c. are materials through which electrons can't flow.
4. Electric insulators	d. is a form of energy.
	e. is used to open and close the electric circuit.

1. .... 2. .... 3. .... 4. ....

(B) Cross the odd word :

Conduction – Convection – Friction – Radiation. (........................)

12 Behira Governorate — Science Inspectorate

1 (A) Write the scientific term of each of the following :

1. A device inserted into the chest of human body to stimulate the heart to beat regularly. (........................)
2. They are muscles that you can control their movement. (........................)
3. The way by which the heat is transferred through solid only. (........................)
4. It is the measuring unit of heat. (........................)

(B) What happens if ...?

A person touches non insulated electric wire through which an electric current passes.

....

2 (A) Choose from column (B) what suits it in column (A) :

(A)	(B)
1. Battery	a. is a matter that has fixed shape and volume.
2. Iron	b. heat is transferred between molecules of boiling water.
3. Muscle cells	c. is a source of electric charges in the electric circuit.
4. By convection	d. are cells in the form of long fibers to allow movement.
	e. is a matter that has variable shape and volume.

1. .... 2. .... 3. .... 4. ....

(B) Give a reason for the following :

Animals cannot make their own food.

....

3 **(A) Complete the following sentences :**

1. The .... disease is one of the disorders of the endocrine system.
2. The temperature at which solid changes to liquid is known as .... point.
3. We can use .... dye to make the nucleus of a cell more visible.
4. Electric circuits in houses are connected in .... way.

(B) Cross out the odd word :

Urine – Oxygen gas – Carbon dioxide – Sweat. (.........................)

13 Minia Governorate — Minia Educational Zone

1 **(A) Complete the following sentences :**

1. .... controls the substances that can enter or leave the cell.
2. .... controls all the cell activities such as cell division.
3. .... is a device that changes kinetic energy into electric energy.
4. .... energy is the energy that the molecules and atoms of substance have due to their motion.

(B) Define :

Electric conductors : ....

2 **(A) Put (✓) or (✗) :**

1. When matter changes from one state to another, its mass doesn't change. ( )
2. The measuring unit of heat is called calorie. ( )
3. Each animal cell has cell wall which is made up of cellulose. ( )
4. Lung is an organ in the respiratory system. ( )

(B) Give a reason for the following :

Electric stoves contain resistors.

....

3 **(A) Choose the correct answer :**

1. .... process is the change of matter from the gas state to the liquid state.
   a. Melting b. Evaporation c. Condensation
2. Glass is made from a mixture of sand with small amount of ....
   a. limestone. b. sodium carbonate. c. all the previous.
3. Absorption of nutrients takes place in the ....
   a. stomach. b. small intestine. c. large intestine.
4. The heat transfers through space by ....
   a. conduction. b. convection. c. radiation.

(B) Mention one function for the endocrine system.

....

14 Assiut Governorate — Science Inspectorate

1 (A) Choose the correct answer :

1. .... are the powerhouses in the cell that convert sugar into energy.
   a. Chloroplasts b. Vacuoles c. Mitochondria d. Golgi bodies
2. The heat of the Sun reach the Earth by ....
   a. convection. b. conduction. c. radiation. d. condensation.
3. All the following are involved in the excretion process, except ....
   a. urinary system. b. digestive system.
   c. skin. d. respiratory system.
4. If the mass of a piece of ice is 50 gm. then its mass when it melts is ....
   a. 50 gm. b. 25 gm. c. 40 gm. d. 60 gm.

(B) Give a reason for the following :

The human body is considered an electric conductor.

....

2 (A) Put (✓) or (✗) :

1. An animal cell has a definite shape because it has a cell wall. ( )
2. A human can control the movement of blood in his body. ( )
3. When the substance expands, its volume increases. ( )
4. Plastic is made from chemical changes to some of the petroleum compounds. ( )

(B) Cross the odd word :

Battery – Magnet – Wire – Light bulb. (..........................)

3 (A) Complete the following sentences using the words between brackets :

(nucleus – diaphragm – parallel path – atom – thermal equilibrium)

1. The way of connecting electric bulbs in different branches is called ....
2. In case of .... , heat doesn't flow as the two objects have the same temperature.
3. When the .... muscle contracts, the lung takes in air.
4. The .... is the smallest building unit of matter.

(B) Study the opposite figure, then answer the questions below :

(2)
(1)

1. Number (1) represents : ....
2. Number (2) represents : ....

15 Sohag Governorate — Science Inspectorate

1 (A) Choose the correct answer :

1. Changing from gas to liquid is called ....
   a. melting. b. evaporation. c. condensation. d. freezing.
2. .... is the best material to make handles of cooking pots, as it doesn't warm fast.
   a. Iron b. Plastic c. Wood d. Copper
3. Growth of a living organism is resulted from increasing the .... of cells in its body.
   a. length b. size c. number d. mass
4. The electric circuit contains .... which is responsible for opening and closing the circuit.
   a. a battery b. a switch c. a lamp d. a heater

(B) Look at the opposite figure then answer :

The magnet is made of .... and it is surrounded by an area called ....

2 (A) Put (✓) or (✗) :

1. The acid and enzymes which are secreted inside stomach lead to more breaking down of food. ( )
2. When a substance expands, its volume increases. ( )
3. The electric devices in houses are connected in series circuits. ( )
4. Heat transfers from the cooler object to the hotter object. ( )

(B) What happens if ...?

Your body doesn't get rid of waste.

....

3 (A) Write the scientific term of each of the following :

1. The way by which the heat is transferred through liquids and gases. (........................)
2. The state of matter at which its particles have the most thermal energy. (........................)
3. They are muscles that move automatically and you cannot control their movement. (........................)
4. They are cell organelles that provide the cell with its needed energy. (........................)

(B) Give a reason for the following :

Plant cells can make photosynthesis process.

....



كيفية طباعة صفحات معينة من ملف معين



مثلا ازاى نطبع الصفحات من صفحة 4 الى صفحة 9

خطوة 1

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خطوة 2
اختيار اسم الطابعة بتاعتك

خطوة 3
كتابة الصفحات المراد طباعتها
نكتب رقم 4 ثم نكتب الشرطة دي - ثم نكتب 9

Pages: 4 - 9

خطوة 4
اختيار نوع الورق

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خطوة 5
اختيار A4

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خطوة 6

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حمل الآن

مجانا وحصريا

امتحانات رقم (2)







Model Exam 1

Question (1)

(A) Choose the correct answer:

1. .... exist in both plant and animal cells.
   a. Cell wall b. Cell membrane
   c. Chloroplasts d. Large vacuole
2. All the following are magnetic materials, except ....
   a. nickel b. steel c. iron d. copper
3. When water vapor .... it turns into water drops.
   a. melts b. evaporates c. condenses d. freezes
4. The .... muscles move without you consciously thinking about i
   a. heart's b. neck's c. forearm's d. jaw's

(B) Write the scientific term:

The system that consists of bones, muscles, tendons, cartilages ar ligaments. (..............................)

Question (2)

(A) Put (✓) or (✗):

1. All objects even cold ones have thermal energy. (
2. The artificial pacemaker replaces the function of the heart's electrical system. (
3. Saliva starts the chemical breaking down of food. (
4. Multicellular organisms consist of only one single cell as the plant cell. (

(B) Cross out the odd word:

5. Convection - Conduction - Freezing - Radiation

Question (3)

(A) Complete the following sentences using the words between the bracket

(colder - particles - hotter - parallel circuit)

1. Heat transfers from .... to .... objects.
2. All compounds of matter consist of ....
3. In .... each light bulb has its own circuit.

(B) What happens if: Pancreas doesn't produce enough insulin?

Model Exam 2

Question (1)

(A) Choose the correct answer:

1. Humans are .... organisms.
   a. multicellular b. unicellular c. prokaryote d. simple
2. For people with diabetes, the .... does not produce enough insulin.
   a. gallbladder b. thyroid gland
   c. pancreas d. small intestine
3. The .... is used to open and close the electric circuit.
   a. wire b. switch c. electric lamp d. battery
4. Heat is used to shape and form ....
   a. glass b. papers c. cloth d. wood

(B) Give a reason for:

Cooking pots are made of metals, while their handles are made of plastic.

....

Question (2)

(A) Put (✓) or (✗):

1. Heat transfers faster by decreasing the surface area of the substances. (   )
2. Gravity is the force that pulls objects towards the center of the Earth. (   )
3. Electricity can't be related to the magnetism. (   )
4. Fridge is from the appliances that have a thermostat. (   )

(B) Cross out the odd word:

A skin cell – A plant cell – An animal cell – A unfertilized bird's egg cell

Question (3)

(A) Complete the following sentences using the words between the brackets:

(nucleus – kidneys – muscles – rectum)

1. Undigested food is stored in the .... as feces.
2. The .... purify blood from the waste materials.
3. The .... is the main control center of the cell.
4. The .... are long fibers that allow the body movement.

(B) look at the opposite figure then answer the question:

The pattern of iron fillings around that magnet is called ....

Model Exam 3

Question (1)

(A) Choose the correct answer:

1. The electric circuit is composed of all the following, except a.........
   a. battery b. switch c. wire d. piece of paper
2. Objects with more thermal energy have .... kinetic energy.
   a. more b. less c. the same d. no
3. Heat is often measured in units called ....
   a. grams b. calories c. liters d. meters
4. The ...... is an organelle that converts light energy into sugar in the cell
   a. mitochondria b. nucleus c. Golgi apparatus d. chloroplast

(B) Give a reason for:

1. Heart muscle is an involuntary muscle.

Question (2)

(A) Put (✓) or (✗):

1. Generators change electrical energy into mechanical energy. ( )
2. Cold molecules are packed more tightly together than warm molecules. ( )
3. Temperature is the energy that flows from one substance to another. ( )
4. Bacteria are unicellular organisms. ( )

(B) Write the scientific term:

The system which consists of glands that release hormones into the body (.........)

Question (3)

(A) Complete the following sentences using the words between the brackets:

(radiation - decrease - conduction - Electrons)

1. .... are charged particles that flow through a wire.
2. On adding some drops of a dye to a beaker of water then putting it in a freezer, the dispersal rate of the dye will ....
3. Heat transfers through metals by .... while the heat from the sun reaches us by ....

(B) Cross out the odd word:

Objective lens - Stage clips - Eyepiece - Thermostat

Model Exam 4

Question (1)

(A) Choose the correct answer:

1. Heat will flow from a .... substance to a .... substance.
   a. hotter, colder b. frozen, melted c. colder, hotter d. larger, smaller
2. When matter becomes warmer, the kinetic energy of its molecules ..... .
   a. decreases b. stays constant c. increases d. becomes zero
3. The .... is the building unit of the living organism's body.
   a. brick b. cell c. organ d. blood
4. Heat is transferred by convection in the molecules of the following substances, except ....
   a. milk b. water c. iron d. atmosphere

(B) Give a reason for:

Earth has greater gravitational force than that on the moon.

Question (2)

(A) Put (✓) or (✗):

1. Nephrons are microscopic filters found in the heart. (   )
2. Matter in the liquid state has a fixed volume and a variable shape. (   )
3. Most cells are usually very small. (   )
4. The eye muscle relaxes when you close your eyelid. (   )

(B) Write the scientific term:

It is the change of matter from the gas state to the liquid state by cooling.

Question (3)

(A) Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
1. Battery	a. packages and transports protein within and outside the cell.
2. Thermometer	b. is the source of the electric current in the electric circuit.
3. Golgi apparatus	c. is a muscle that contracts to let oxygen gas enter the body.
4. Diaphragm	d. is the measuring tool of temperature.

1 .... 2 .... 3 .... 4 ....

(B) Cross out the odd word: Steel - Copper - Iron - Nickel

Model Exam 5

Question (1)

(A) Choose the correct answer:

1. Sunlight and heat reach Earth by ....
   a. conduction b. condensation c. convection d. radiation
2. The .... can be found in an acacia tree leaf.
   a. blood cells b. chloroplasts c. bone cells d. muscle cells
3. A group of similar cells are organized together to form a/an ....
   a. system b. organ c. tissue d. organelle
4. All the following are magnetic materials, except a/an ....
   a. steel key b. plastic fork c. iron nail d. nickel medal

(B) Write the scientific term:

It is the device that converts mechanical energy into electrical energy.

Question (2)

(A) Put (✓) or (✗):

1. Heat can't transfer through space. ( )
2. Nucleus, mitochondria and cell membrane float in a gelatinous substance called cytoplasm. ( )
3. The muscles at the two sides of your body are voluntary muscles. ( )
4. It is safe to touch the electric wires which are coated with plastic. ( )

(B) Cross out the odd word: Kidney - Urethra - Skin - Bladder

Question (3)

(A) Choose from column (A)what suits it in column (B):

Column (A)	Column (B)
1 Cell wall	a. resists the flow of electricity through it.
2 Compound microscope	b. releases hormones into the body.
3 Endocrine system	c. is used to magnify cells of a pepper plant.
4 Insulator	d. is made of cellulose.

1 .... 2 .... 3 .... 4 ....

(B) What happens if: Adding thermal energy to a liquid matter. (concerning the movement of particles)?

Model Exam 6

Question (1)

(A) Choose the correct answer:

1. A tissue is a set of similar.......... .
   a. cells b. organs c. systems d. bones
2. The front muscle of your upper arm lies between the ...... and the ....
   a. elbow -wrist b. shoulder - elbow
   c. ankle - shoulder d. knee - ankle
3. When a bulb consists of three bulbs in a circuit is burned out, the other two bulbs turned off, then the bulbs must be connected in ....
   a. parallel b. series c. square d. non- consecutive
4. All the following need removal of thermal energy, except ....
   a. freezing b. contraction c. expansion d. condensation

(B) Cross the odd word: Sand - Petrol - Limestone - Soda ash

Question (2)

(A) Put (✓) or (✗):

1. Mitochondria power the cell with the needed energy. ( )
2. You can control the involuntary muscles. ( )
3. All the materials are good conductors of electricity. ( )
4. After popping some corn, its mass decreases. ( )

(B) What happens if:

When the matter becomes warmer. (concerning atoms' kinetic energy)?

Question (3)

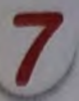
(A) Complete the following sentences using the words between the brackets:

(magnet- Hooke - thermal equilibrium - heart rate)

1. In case of .... there's no heat flows between two substances.
2. A .... is used in making computers and motors.
3. In a dangerous situation, your........ increases.
4. .... was the first scientist who used the word "cell".

(B) Write the scientific term:

The process of elimination of the waste materials from your body through a membrane.



Model Exam 7

Question (1)

(A) Choose the correct answer:

1. On heating a substance, all the following increase except its ....
   a. volume b. particles speed c. mass d. thermal energy
2. Matter is made up of tiny units called ....
   a. cells b. mixtures c. compounds d. molecules
3. When an electric current flows through a wire, a/an .... field is produced around the wire.
   a. electric b. gravitational c. magnetic d. thermal
4. The endocrine system controls .... in your body.
   a. blood pressure b. releasing hormones
   c. body temperature d. all the previous

(B) Give a reason for:

It is hard to see the cells' structures even under a microscope.

Question (2)

(A) Put (✓) or (✗):

1. Liquids expand by cooling and contract by heating. (
2. In both series and parallel circuits, the electric current returns again to the power source. (
3. The pacemaker is implanted in the patients' chest to regulate their heart beats. (
4. Mitochondria are responsible for the cellular respiration. (

(B) In the opposite figure: Heat transfers by .... at (1).

Question (3)

(A) Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
1. Urea	a. transfers from hotter to colder object.
2. Turbines	b. is produced from breaking down proteins.
3. Heat	c. have more kinetic energy than slower ones.
4. Fast-moving molecules	d. are used to drive electric generators.

1 .... 2 .... 3 .... 4 ....

(B) Write the scientific term:

It is a vital process that takes place in mitochondria.

Model Exam 8

Question (1)

(A) Choose the correct answer:

1. .... is the condition in which two objects exchange no heat as they have the same temperature.
   a. Thermal energy
   b. Thermal equilibrium
   c. Chemical equilibrium
   d. Heat transfer
2. The .... is used to measure the object's temperature.
   a. measuring cup
   b. measuring tape
   c. thermometer
   d. balance
3. The generator changes the mechanical energy into .... energy.
   a. light
   b. electrical
   c. thermal
   d. magnetic
4. The .... surrounds the plant cell from the outside.
   a. cell wall
   b. cell membrane
   c. nucleus
   d. cytoplasm

(B) Give a reason for:

The excretory system keeps the body healthy.

....

....

Question (2)

(A) Put (✓) or (✗):

1. The handle of an iron is made of plastic as it is a thermal conductor. ( )
2. Nephron is the functional unit of kidneys. ( )
3. On heating a matter, its particles move slower and take up more space. ( )
4. Heat can be lost, but it can't be transferred. ( )

(B) Write the scientific term:

The closed path through which electric current passes. (..................)

Question (3)

(A) Choose from Column (A)what suits it in Column (B):

Column (A)	Column (B)
1 Endoplasmic reticulum	a. are found in bridges to allow a safe thermal expansion.
2 Endocrine system	b. is responsible for assembling and transporting of proteins inside the cell.
3 Expansion joints	c. need to understand convection and radiation to predict weather.
4 Meteorologists	d. has an important role during an acute stress.

1 .... 2 .... 3 .... 4 ....

(B) Cross out the odd word:

Heart muscle - Jaw's muscles - Neck muscles - Arm muscles

Model Exam 

Question (1)

(A) Choose the correct answer:

1. When you are stressed out, ... increase(s).
   - a. your heart rate
   - b. your breathing rate
   - c. your blood pressure
   - d. all the previous
2. The .... is/are the factor(s) affecting the gravitational force.
   - a. mass
   - b. distance
   - c. color
   - d. mass and distance
3. When the ice melts, ...
   - a. it changes into steam
   - b. its particles move slower
   - b. it loses energy
   - d. its particles move faster
4. When a matter becomes cooler, the .... energy of the molecules decreases.
   - a. light
   - b. kinetic
   - c. magnetic
   - d. electrical

(B) Give a reason for:

Bacteria are considered unicellular organisms.

....

Question (2)

(A) Put (✓) or (✗):

1. A metallic paper clips are electric insulators, while rubber is a conductor. ( )
2. Heat is measured in Celsius degrees. ( )
3. The small structures inside the cell are called organelles. ( )
4. The number of cells in plants and animals varies from a species to another. ( )

(B) Write the scientific term:

The type of muscles that you can control their movements. (..................)

Question (3)

(A) Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
1 Heart	a. is the way through which Sun heat reaches the Earth.
2 Electrons	b. are used to slow the flow of electrons through a circuit.
3 Radiation	c. are small electric charges moving in the wires in a closed electrical.
4 Electric resistors	d. is an organ of the circulatory system that is made up of a involuntary muscle.

1 .... 2 .... 3 .... 4 ....

(B) look at the opposite figure, then complete:

This figure represents a .... cell.

Model Exam 10

Question (1)

(A) Choose the correct answer:

1. .... happens as a result of the separation of the particles of substance when heat is transferred to it.
   a. Contraction b. Expansion c. Growth d. Freezing poi
2. Nutrients and oxygen enter cells through the ....
   a. cell membrane b. mitochondria c. ribosomes c. nucleus
3. Digestion process starts in the ....
   a. stomach b. mouth c. esophagus d. large intestin
4. .... and .... are preferable to make the handles of cooking pa
   a. Plastic, steel b. Plastic, copper c. Copper, wood d. Plastic, woo

(B) Write the scientific term:

The pattern formed by iron filings near the magnet. (........

Question (2)

(A) Put (✓) or (✗):

1. Glycogen is an animal protein. (
2. Unfertilized bird egg contains more than one egg cell. (
3. A galvanometer's needle will stop deflecting, if a magnet stopped moving in a coil. (
4. Thermal energy is the total amount of kinetic energies of the substance molecules. (

(B) Cross out the odd word: Nickel - Steel - Iron - Copper

Question (3)

(A) Complete by the words between brackets:

(convection - insulin - melting point - skin)

1. The .... regulates the amount of sugar in the blood.
2. Sweat is excreted by the ....
3. Heat is transferred between the molecules of mercury by ....
4. The ice turns into water at a certain point known as ....

(B) What happens if:

The cell wall is absent in the plant cell?

Model Exam 11

Question (1)

(A) Choose the correct answer:

1. Which of the following is found in an acacia plant leaf and is not found in the human body?
   a. Cell wall b. Mitochondria c. Cell membrane d. Cytoplasm
2. Which of the following muscles are voluntary?
   a. Stomach muscles b. Small intestine muscles
   c. Esophagus muscles d. Neck muscles
3. Calories are the measurement units of ....
   a. length b. heat c. volume d. temperature
4. .... is the process of changing liquid into solid by cooling.
   a. Melting b. Freezing c. Evaporation d. Condensation

(B) Write the scientific term:

Substances that do not effectively transfer heat. (..........)

Question (2)

(A) Put (✓) or (✗):

1. Both of Golgi apparatus and endoplasmic reticulum are involved in transportation in the cell. (   )
2. Oxygen gas is excreted by the respiratory system in exhalation process. (   )
3. In parallel circuit, there're multiple routes for the electric current. (   )
4. The transfer of heat between two bodies stops when their temperature becomes equal. (   )

(B) Cross out the odd word: Steam - Ice - Rocks - Glass

Question (3)

(A) Complete the following sentences using the words between the brackets:

(thermal energy - steel - Cell wall - Copper)

1. .... surrounds the cell membrane in a plant cell.
2. .... is not attracted to the magnet.
3. A red food coloring will faster spread out in hot water, because its particles have more ....
4. If iron is mixed with other elements, it will form ....

(B) What happens if: Diaphragm muscle contracts?

Model Exam 12

Question (1)

(A) Choose the correct answer:

1. When a piece of aluminium is replaced by a piece of .... in a electrical circuit, the circuit becomes opened.
   a. iron b. copper
   c. wood d. steel
2. Objects with more thermal energy have .... kinetic energy.
   a. more b. less
   c. the same d. no
3. Diabetes is a disorder of the endocrine system. For people with diabetes, the .... does not produce enough insulin.
   a. gallbladder b. thyroid gland
   c. pancreas d. small intestine
4. Cell's components are suspended in a gelatinous substance called ....
   a. nucleus b. cell wall
   c. cytoplasm d. cell membrane

(B) Give a reason for:

Brass is considered a thermal conductor.

....

Question (2)

(A) Put (✓) or (✗):

1. Improved microscopes have allowed scientists to make new discoveries. (
2. You can't operate the TV and the toaster at the same time at home. (
3. The space between particles will decrease when thermal energy is added. (
4. Thermal energy is transferred in metals by radiation. (

(B) Write the scientific term:

The system that provides nutrients to all body cells and tissues by breaking down food. (........................

Question (3)

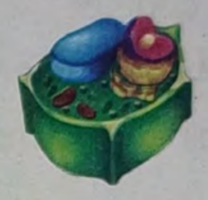
(A) Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
1 Abdomen muscles	a. its volume decreases.
2 When a copper wire is cooled,	b. cleans the blood and excretes the body waste materials.
3 Concrete and glass	c. are located at the two sides of your body.
4 Excretory system	d. are made from sand.

1 .... 2 .... 3 .... 4 ....

(B) look at the opposite figure:

This figure represents a\an .... cell.



Model Exam 13

Question (1)

(A) Choose the correct answer:

1. A red food coloring spread out at the slowest rate in water by temperature of .... °C
   - a. 60
   - b. 23
   - c. 40
   - d. 45
2. Kinetic energy is the energy of ....
   - a. mass
   - b. rest
   - c. motion
   - d. volume
3. Pacemaker is very helpful for people who suffer from ....
   - a. diabetes
   - b. asthma
   - c. heart problems
   - d. hearing problems
4. Which of the following materials resists heat flow?
   - a. Metallic spoon
   - b. Metallic door knob
   - c. Aluminium foil
   - d. Wooden door

(B) Give a reason for:

A plant cell has big vacuole.

....

....

Question (2)

(A) Put (✓) or (✗):

1. Saliva is a hormone that breaks food chemically in the mouth. ( )
2. When a solid substance particles lose energy, they vibrate faster. ( )
3. A stomach consists of a group of tissues. ( )
4. Thermal energy is destroyed when it is transferred from one body to another. ( )

(B) Write the scientific term:

Small electric charges that flow in wires in a closed electrical circuit.

(..............................)

Question (3)

(A) Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
1. Musculoskeletal system	a. is a source of thermal energy.
2. A compound microscope	b. allows body movement.
3. Human body	c. can be used to examine the thin membrane of the onion.
4. The Sun	d. is a good conductor of electricity.

1 .... 2 .... 3 .... 4 ....

(B) Cross out the odd word:

Foam – Plastic – Wood – Metal

Model Exam 14

Question (1)

(A) Choose the correct answer:

1. Circulatory system carries all the following materials through the body, except ....
   a. hormones
   b. gases
   c. glands
   d. nutrients
2. To produce a magnetic field, you need all of these items, except a/an ....
   a. wire
   b. iron bar
   c. aluminium bar
   d. battery
3. Which of the following may not be a source of thermal energy?
   a. Micro-oven
   b. Sun
   c. Moon
   d. The heater
4. All the following are properties of steel, except ....
   a. being weak
   b. being hard
   c. being strong
   d. lasting for long time

(B) Write the scientific term:

The organelles in the plant cell that has chlorophyll pigment.

....

Question (2)

(A) Put (✓) or (✗):

1. If we mix two liquids with different temperatures, the final temperature will be between the two starting temperatures. ( )
2. Metals expand by heating and contract by cooling. ( )
3. Every system in the body works individually when it is exposed to danger. ( )
4. Both light and heat energy of the Sun reach the Earth by radiation. ( )

(B) Cross out the odd word:

Battery - Magnet - Wire - Light bulb

Question (3)

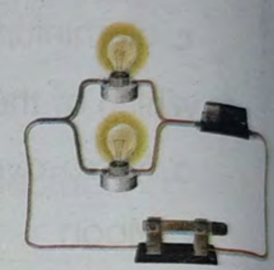
(A) Complete by the words between brackets:

(proteins - rectum - contract - Bones)

1. When you blink, eyelid muscle ....
2. .... are belong(s) to the musculoskeletal system, while.............. is belong(s) to the digestive system.
3. The endoplasmic reticulum helps in assembling and transporting of ....

(B) look at the opposite figure:

The type of connection in this circuit is ....



Model Exams Answers

Model Exam 1

Question 1

(A) 1 b 2 d 3 c 4 a

(B) Musculoskeletal system

Question 2

(A) 1 ✓ 2 ✓ 3 ✓ 4 ✗

(B) Freezing

Question 3

(A) 1 hotter,colder 2 particles
3 parallel circuit

(B) Sugar level increases in the blood causing diabetes.

Model Exam 2

Question 1

(A) 1 a 2 c 3 b 4 a

(B) Because metals are thermal conductors, while plastic is an insulator.

Question 2

(A) 1 ✗ 2 ✓ 3 ✗ 4 ✓

(B) A bird's unfertilized egg cell.

Question 3

(A) 1 rectum 2 kidneys
3 nucleus 4 muscles

(B) Magnetic field

Model Exam 3

Question 1

(A) 1 d 2 a 3 b 4 d

(B) Because it pumps blood without any rest and we can't control its movement.

Question 2

(A) 1 ✗ 2 ✓ 3 ✗ 4 ✓

(B) Endocrine system

Question 3

(A) 1 Electrons 2 decrease
3 conduction, radiation

(B) Thermostat

Model Exam 4

Question 1

(A) 1 a 2 c 3 b 4 c

(B) Because Earth's mass is bigger than that of the moon.

Question 2

(A) 1 ✗ 2 ✓ 3 ✓ 4 ✗

(B) Condensation

Question 3

(A) 1 b 2 d 3 a 4 c

(B) Copper

Model Exam 5

Question 1

(A) 1 d 2 b 3 c 4 b

(B) Generator

Question 2

(A) 1 ✗ 2 ✗ 3 ✓ 4 ✓

(B) Skin

Question 3

(A) 1 d 2 c 3 b 4 a

(B) Particles will move faster.

Model Exam 6

Question 1

(A) 1 a 2 b 3 b 4 c

(B) Petrol

Question 2

(A) 1 ✓ 2 ✗ 3 ✗ 4 ✓

(B) Atoms kinetic energy increases.

Question 3

(A) 1 thermal equilibrium
2 magnet 3 heart rate
4 Hooke

(B) Excretion process

Model Exam 7

Question 1

(A) 1 c 2 d 3 c 4 d

(B) Generator

Question 2

(A) 1 ✗ 2 ✓ 3 ✓ 4 ✓

(B) Convection

Question 3

(A) 1 b 2 d 3 a 4 c

(B) Cellular respiration

Model Exam 8

Question 1

(A) 1 b 2 c 3 b 4 a

(B) Because it eliminates the harmful wastes from the body.

Question 2

(A) 1 ✗ 2 ✓ 3 ✗ 4 ✗

(B) Electric circuit

Question 3

(A) 1 b 2 d 3 a 4 c

(B) Heart muscle

Model Exam 9

Question 1

(A) 1 d 2 d 3 d 4 b

(B) Because their body consists of only one cell.

Question 2

(A) 1 ✗ 2 ✗ 3 ✓ 4 ✓

(B) Voluntary muscles

Question 3

(A) 1 d 2 c 3 a 4 b

(B) Animal

Model Exam 10

Question 1

(A) 1 b 2 a 3 b 4 d

(B) Magnetic field

Question 2

(A) 1 ✗ 2 ✗ 3 ✓ 4 ✓

(B) Copper

Question 3

(A) 1 insulin 2 skin
3 convection 4 melting point

(B) The plant cell won't have a definite shape.

Model Exam 11

Question 1

(A) 1 a 2 d 3 b 4 b

(B) Thermal insulators

Question 2

(A) 1 ✓ 2 ✗ 3 ✓ 4 ✓

(B) Steam

Question 3

(A) 1 cell wall 2 copper
3 thermal energy 4 steel

(B) Oxygen gas enters the body.

Model Exam 12

Question 1

(A) 1 c 2 a 3 c 4 c

(B) Because it allows heat to flow through easily.

Question 2

(A) 1 ✓ 2 ✗ 3 ✗ 4 ✗

(B) Digestive system

Question 3

(A) 1 c 2 a 3 d 4 b

(B) Plant

Model Exam 13

Question 1

(A) 1 b 2 c 3 c 4 d

(B) To store large amount of water.

Question 2

(A) 1 ✗ 2 ✗ 3 ✓ 4 ✗

(B) Electrons

Question 3

(A) 1 b 2 c 3 d 4 a

(B) Metal

Model Exam 14

Question 1

(A) 1 c 2 c 3 c 4 a

(B) Chloroplasts

Question 2

(A) 1 ✓ 2 ✓ 3 ✗ 4 ✓

(B) Magnet

Question 3

(A) 1 contract

2 bones - rectum

3 proteins

(B) Parallel

حمل الآن

مجانا وحصريا

امتحانات رقم (3)







Model (1)

Question One:

A) Choose the correct answer from the following:

1. Photosynthesis process takes place in the ………………….. , while cellular respiration process takes place in the …………………..

a. nucleus – cytoplasm b. mitochondria - nucleus
c. mitochondria - chloroplast d. chloroplast – mitochondria

2. Which selection of organs does the human body use to move gases in and out the body?

a. Heart, veins and arteries b. Nose, trachea, and lungs
c. Muscles, cartilages and bone d. Pancreas, gallbladder and adrenal glands

3. Which statement about the cells is false?

a. All living organisms are composed of cells. b. All cells come from existing cells.
c. Most cells are microscopic in size. d. All cells have a nucleus.

4. An unaided human eye can't see all the following, except ………………………..

a. an onion's cell b. a skin's cell
c. a bacterial cell d. a bird's unfertilized egg cell

B) Write the scientific term:

The liquid material that is necessary for cell to maintain the balance on both sides of the cell membrane. (…………………………)

Question two: A: Put True or False:

1. All cells are formed of organelles, each of which performing a different function. ( )
2. The circulatory system releases hormones to fight a danger or to run away from it. ( )
3. Increasing the number of the living organism's cells occurs during reproduction process only. ( )
4. We need a microscope to see smaller cells because they are visible to our unaided eyes. ( )

B: Complete the following:

1. The body of a living organism is made up of a group of ……….. , while organs consist of a group of different …………….



Question three:

A) Choose from column (B what suits it in column (A)

(A)	(B)
1. Nucleus	a. It is a gelatinous liquid which other organelles float.
2. Cell membrane	b. It is responsible for making photosynthesis process inside plant cell.
3. Chloroplast	c. It is the command of the cell and responsible for cell division and making protein.
4. Cytoplasm	d. controls the substances passing into or out of the cell.

1. ……………. 2. ………… 3. …………. 4. ……………..

B: Answer the following questions:

The opposite diagram represents the ……………………… .



Model (2)

Question One: A: Choose the correct answer:

1. Which two organelles are involved in transportation?

a. Nucleus and endoplasmic reticulum   b. Mitochondria and nucleus

c. Chloroplast and Golgi apparatus   d. Endoplasmic reticulum and Golgi apparatus

2. The musculoskeletal system consists of …………………………

a. muscles   b. bones   c. tendons   d. all the previous answers

3. Which of the following is a list of components of a body system in order from the least complex to the most complex?

a. Tissue, cell, organ, body system   b. Cell, tissue, organ, body system

c. Body system, organ, cell, tissue   d. Organ, tissue, cell, body system

4. When two muscles work together to carry out a movement, one muscle ……………….. while the other …………………. .

a. moves, stays the same   b. contracts, relaxes

c. stays the same, relaxes   d. stays the same, contracts

B: Give reasons for:

① **A plant is considered a multicellular organism.**

……

……

Question Two: A: True or False:

1. Every system in the body works individually when exposed to danger. (   )
2. Microscopes help scientists to discover that cell is the building unit of living organisms' bodies. (   )
3. Multicellular organisms consist of only one single cell, such as the plant. (   )
4. Heart is made of a type of involuntary muscles known as skeletal muscles. (   )
5. Selective permeability feature takes place through the cell wall. (   )

B: Write the scientific term:

1. It is a system that consists of a group organs, such as bones, muscles, ligaments, tendons and cartilages. (……………………………)

Question Three: A: Complete the following sentences, using the given words between brackets:

(Mitochondria - organelles - endoplasmic reticulum - nucleus – cellular respiration - nutrients)

1. Digestive system provides the nerve cells with ………….. which are needed to perform their functions.
2. The small structures that form cells are called ………………..
3. …………………… collecting and transporting proteins produced by the ………………… through cells.
4. ………………………… convert sugar into energy that is needed for cell activities through ………………………… process.

B: Correct underlined words:

1. The cell will **shrink** when too much water keeps entering it.



Model (3)

Question One: A: Choose the correct answer:

1. Which of the following is NOT a characteristic of cells?

a. They are the smallest units of life.
b. They can perform specific functions.
c. They are visible to the naked eye.
d. They can reproduce.

2. The ………………………… in the cell resembles the powerful brick wall of a city.

a. nucleus b. cell wall
c. cytoplasm d. cell membrane

3. Nucleus is responsible for controlling ………………

a. formation of proteins only. b. cell division only.
c. formation of proteins and cell division. d. no correct answer

4. Among the organs of musculoskeletal system are ……………….

a. muscles and bones of arm. b. muscles of arm and lungs.
c. bones and heart. d. lungs and heart.

B: Write the scientific term:

1. A sac-like organelle that stores nutrients, water, and waste materials. (…………………………….)

Question Two: A: Complete the following sentences using the give words:

(Bones – cell membrane -photosynthesis – nucleus -hormones – one – bone – exoskeleton -adrenal glands)

1. The contraction of a muscle moves a ………………………… in ………………………… direction(s).
2. Cells of plants are characterized by the presence of chloroplasts which are responsible for making .... process.
3. All cells are composed of …………………….. but not all cells have a ....
4. ……………. support the fish body shape, while a/an …………. supports that of insects.
5. During a fight-or-flight response, …………. are released by the ……………...

Question Three: A: Put true or false:

1. All cells are composed of the cell wall.
2. Digestive system transfers oxygen gas to all muscles in your body.

3. We can use the examined sample in bigger size when using the lower power objective lens.
4. The basic needs of a cell are the same as the basic needs of living organisms.

B: Complete the following sentences:

1. In the photosynthesis process, ………… absorb(s) sunlight where …………… use(s) it to make the plant's food.

Model (4)

Question One: A: Choose the correct answer:

1. The animal cell cannot make photosynthesis process, because it doesn't have ……………………

a. nucleus. b. chloroplasts.
c. mitochondria. d. vacuole.

2. Which of the following structures are found in both plant cells and animal cells?

a. cell wall. b. one large vacuole.
c. chloroplasts. d. mitochondria.

3. Among functions of endocrine system is ……………..

a. digesting food into small pieces.
b. controlling the muscles of heart and stomach.
c. providing the muscular system with its needed food.
d. controlling the body temperature and blood pressure.

4. Which one of the following describes the contribution of Robert Hooke to the field of microscopy?

a. He invented the earliest microscope.
b. He observed human cells.
c. He described and named cells.
d. He discovered the nucleus of a cell.

B: Give a reason: **The heart is an involuntary muscle.**

……

……



Question Two: A: Put True or False:

1. There must be a water imbalance at the two sides of the cell membrane, so that the cell won't burst. (   )

2.When you stressed, adrenal glands secrete hormones that cause several changes in your body such as increasing heart rates and breathing rates. (   )

3. The green color of plants is due to the presence of vacuoles in their cells. (   )

4. When we examine the specimen under a microscope using a high-power objective lens, it helps us to see the specimen in greater details. (   )

B: What happens if:

The cell membrane is absent in an animal cell.

………

………

Question Three:

A: Write the scientific term:

1. They are muscles that have an automatic movement that you can't control. (…………………………)
2. A stain can be used to color a specific part of cells, such as the nucleus of cheek-lined membrane cells. (…………………………)
3. They are structural, functional, biological units of all living organisms. (…………………………)

4. An organelle that found in plant cells to carry out photosynthesis process. (…………………………)

B: What happens if: **The cells couldn't carry out cellular respiration.**

………

………

B: Study the following figures, then complete the sentences below:

① Figure (…..) represents a bacterial cell, as it consists of ……… cell(s).

② Living organisms are classified into unicellular and multicellular organisms according to their ………………… cells.

Figure (A)

Figure (B)

Model (5)

Question One: A: Choose the correct answer:

1. Which of the following is found in an acacia plant leaf and is not found in human?

a. Cell wall b. Mitochondria c. Cell membrane d. Cytoplasm

2. All the following muscles work in pairs as one muscle contracts, while the other muscle relaxes, except ……………..

a. upper arm muscles. b. forearm muscles

c. abdomen muscles d. heart (cardiac) muscles

3. The nucleus was discovered during an observation of numerous ………..cells.

a. animal b. bacterial c. human d. plant

4. **You can change the power of magnifying of a microscope by using another ……………………**

a. objective lens b. eyepiece c. mirror d. arm

B: Write the scientific term:

The smallest building unit of living organisms. (……………………….)

Question Two: A: True or False:

1. **The cells of plant have definite shapes due to the presence of cell membranes.** ( )
2. **In dangerous situations, nervous system only allows your body to face the danger.** ( )
3. **A stomach consists of a group of tissues.** ( )
4. **When you start to run faster, there's an interaction between your heart and muscles.** ( )
5. **Endoplasmic reticulum is collecting and transporting proteins inside the cell to build and repair the cell.** ( )

B: Give a reason:

Muscles cells need to be shaped like long fibers.

………

………



Question Three: A. Matching

(A)	(B)
1. Mitochondria	a. It is a tool used to examine the structures of cell.
2. Voluntary muscles	b. They are living organisms their bodies are made up of many cells.
3. Microscope	c. It is a stain used to color specific parts in the cells.
4. Multicellular organism	d. They are powerhouses that supply cells with energy needed.
5. Methylene blue dye	e. They are muscles that you can control their movements.

1. ……… 2. …………. 3. ………. 4. ………. 5. ………….

B. What happens if:

There is no chloroplast inside the plant cells.

………

………

Model (6)

Question One: A: Choose the correct answer:

1. The muscles of ……………. are involuntary muscles.

a. neck b. abdomen c. forearm d. heart

2. All the following are multicellular living organisms, except ……………………… .

a. acacia trees b. cats c. bacteria d. humans

3. The ……….. release(s) energy from food to power the cell.

a. cell wall b. nucleus c. mitochondria d. cell membrane

4. ……………. system provides nutrients for the skeletal system to grow and repair itself.

a. Nervous b. Digestive c. Muscular d. Respiratory

B: Complete the following sentences:

1. ………………. is a group of similar cells that perform a specific function.
2. ……………………maintains water balance on both sides of the cell

Question Two: A: Correct the underlined words:

1. When your eyes see a dangerous situation, the **stomach** sends a signal to the muscles to contract.
2. **Eyepiece lenses** in microscopes have different focusing power to form different degrees of magnified images.
3. **Cell wall** is the part that is stained by methylene blue dye.
4. Skeletal system work with **blood** to allow movement.

B: Give a reason:

The cells of a multicellular organism are different in shape and size.

……………………………………………………………………………………………………

……………………………………………………………………………………………………

Question three:

A: Choose from column (B) what suits it in column (A)

(A)	(B)
1. Respiratory system	**A.Producing hormones that regulate many process in the body.**
2. Muscles cells	**B. is a structure that stores water, nutrients and wastes.**
3. Endocrine system	**C. Helps the body to take in oxygen gas and expel carbon dioxide gas.**
4. Vacuole	**D. are cells that form of long fibers to allow movement.**

1. …………… 2. ………… 3. ………… 4. …………..

What happens if:

B: Sugar doesn't reach to mitochondria inside a cell.

……………………………………………………………………………………………

……………………………………………………………………………………………



Model (7)

Question One: A: Choose the correct answer:

1. **The membrane of an onion consists of similar units called …………………**
   a. cells b. nuclei c. organs d. tissues

2. ……………………… is (are) the control center of the cell and is (are) responsible for cell division.
   a. Mitochondria b. Nucleus c. Golgi apparatus d. Chloroplasts

3. **Which of the following is NOT a basic need of cells?**
   a. Food b. Oxygen c. Rocks d. Water

4. **The system which provides your body with oxygen gas and gets rid of carbon dioxide gas is .... system.**
   a. respiratory b. nervous c. endocrine d. circulatory

B: Write the scientific term:

1. It is a gelatinous liquid that is found inside the cell. (……………………………….)

Question Two: A: True or False:

1. Both the mitochondrion and plasma membrane are found in plant and animal cells. ( )
2. Different cells work together to form tissues. ( )
3. Contraction and relaxation of arm muscles allow the bones of arm to move. ( )
4. Developed microscopes have allowed scientists to make new discoveries. ( )
5. All cells in living organisms are identical. ( )

B: Give a reason: Muscles cells need to be shaped like long fibers.

……

……

Question Three:

A: Complete the following sentences, using the given words between brackets:

(tissues – chlorophyll - structural - front - chloroplasts– contracts)

1. When you lift your fist towards your shoulder, the ………… muscle of your upper arm ……………

2. In the photosynthesis process, ………… absorb(s) sunlight where …………… use(s) it to make the plant's food.
3. Heart is a composed of a group of ……………. that do the same function.
4. The cells are ………… , functional, biological units of living organisms.

B) Mention the type of the following muscles:

① ……………………………

②……………………………

③ ……………………………

Model (8)

Question One: A: Put true or false:

1. Musculoskeletal system consists of muscles and bones only. ( )
2. A bird's unfertilized egg cell has length ranges between 0.005 to 0.1 mm. ( )
3. The same stain can be used for different types of cells. ( )
4. The kapok tree can make its own food due to the presence of chloroplasts in its cells. ( )
5. There are two muscles that relax when your palm is facing down, and one muscle contracts. ( )

B: Give a reason: **Eyelid muscles are involuntary muscles while forearm muscles are voluntary.**

………

………

Question Two: A: Choose the correct answer:

1. **Studying the ………………………… by cell biologists helps doctors treat cancer.**

a. cell division　　b. cellular respiration

c. photosynthesis process　　d. digestion process

2. The plant cell is distinguished from the animal cell by the presence of ……………………………… and ………………………………

a. chloroplasts - nucleus b. nucleus – cell wall

c. chloroplasts - cell wall d. nucleus – cytoplasm

3. The musculoskeletal system ……………………….

a. provides support for the body b. allows for movement.

c. protects internal organs d. All the previous answers

4. Skeletal muscles work in pairs when …………………

a. moving your hands towards your shoulder.

b. pumping blood to all the body parts.

c. transmitting food to all the body parts.

d. closing your eyelid to allow you blink.

B: Give a reason:

Importance of nervous system for the muscles of heart.

………

………

Question Three: A: Complete the following sentences, using the given words between brackets:

(pressure – big – temperature – high power – glands)

1. You can see cells of an examined sample in ……… size by using the ………… Objective lens of the microscope.
2. Endocrine system consists of ………………. which secrete hormones that control the body ………… and blood ………

B: Classify the following muscles in the suitable category:

(Stomach muscles – Muscles surrounded eyeballs – eyelid muscles – forearm muscles – heart muscles - abdominal muscles – diaphragm – neck muscles)

Voluntary Muscles	Involuntary Muscles

Model (9)

Question One: A: Choose the correct answer from the following:

1. Photosynthesis process takes place in the ………………….. , while cellular respiration process takes place in the …………………..

a. nucleus – cytoplasm b. mitochondria - nucleus

c. mitochondria - chloroplast d. chloroplast – mitochondria

2. Which statement about the cells is false?

a. All living organisms are composed of cells.

b. All cells come from existing cells.

c. Most cells are microscopic in size.

d. All cells have a nucleus.

3. Which one of the following describes the contribution of Robert Hooke to the field of microscopy?

a. He invented the earliest microscope. b. He observed human cells.

c. He described and named cells. d. He discovered the nucleus of a cell.

4. **Which of the following structures are found in both plant cells and animal cells?**

a. cell wall. b. one large vacuole.

c. chloroplasts. d. mitochondria.

B: Write the scientific term:

The liquid material that is necessary for cell to maintain the balance on both sides of the cell membrane. (…………………………)

Question two: A: Put True or False:

1. All cells are formed of organelles, each of which performing a different function. ( )
2. There must be a water imbalance at the two sides of the cell membrane, so that the cell won't burst. ( )
3. Increasing the number of the living organism's cells occurs during reproduction process only. ( )
4. We need a microscope to see smaller cells because they are visible to our unaided eyes. ( )

B: What happens if:

The cells couldn't carry out cellular respiration.

………

………



Question three:

A) Choose from column (B) what suits it in column (A)

(A)	(B)
1. Nucleus	a. It is a gelatinous liquid which other organelles float.
2. Cell membrane	b. It is responsible for making photosynthesis process inside plant cell.
3. Chloroplast	c. It is the command of the cell and responsible for cell division and making protein.
4. Cytoplasm	d. controls the substances passing into or out of the cell.

1. ……………. 2. ………… 3. …………. 4. …………….

B: Answer the following questions: **The opposite diagram represents the ………………………… .**



Model (10)

Question One: A: Choose the correct answer:

1. Which two organelles are involved in transportation?

a. Nucleus and endoplasmic reticulum b. Mitochondria and nucleus
c. Chloroplast and Golgi apparatus d. Endoplasmic reticulum and Golgi apparatus

2. The nucleus was discovered during an observation of numerous …………………………cells.

a. animal b. bacterial c. human d. plant

3. Which of the following is a list of components of a body system in order from the least complex to the most complex?

a. Tissue, cell, organ, body system b. Cell, tissue, organ, body system
c. Body system, organ, cell, tissue d. Organ, tissue, cell, body system

4. All the following are from the cells found in the animal body, except the ....

a. blood cells b. xylem cells c. bone cells d. muscle cells

B: Give reasons for:

① The cell membrane has a selective permeability feature.

....

....

Question Two:

A: True or False:

1. The number of cells in plants and animals varies from a species to another. (   )
2. Multicellular organisms consist of only one single cell, such as the plant. (   )
3. The basic needs of a cell are the same as the basic needs of living organisms. (   )
4. Eyepiece lens is a part of the microscope that changes the magnifying power (   )

B: Write the scientific term:

1. They are structural, functional, biological units of all living organisms. (................................)

Question Three:

A: Complete the following sentences, using the given words between brackets:

(cellular respiration - Mitochondria - organelles – exoskeleton - Endoplasmic reticulum - nucleus – cell wall)

1. The .... gives the plants their definite shapes, while a/an .... gives some insects them their shapes.
2. The small structures that form cells are called ....
3. .... collects and transports proteins produced by the .... through cells.
4. .... convert sugar into energy that is needed for cell activities through .... process.

B: Correct underlined words:

1. The cell will **shrink** when too much water keeps entering it.

October Guiding Models

Model (1)

Question One:

A) Choose the correct answer from the following:

1. D 2. B 3. D 4. D

B) Water

Question Two:

A: Put True or False:

2. T 2. F 3. F 4. F

B: Systems – tissues

Question Three:

A: Match

3. C 2. D 3. B 4. A

B: The animal cell

October Guiding Models

Model (2)

Question One:

A: Choose the correct answer from the following:

1. D
2. D
3. B
4. B

B: Because the plant is formed of more than one cell.

Question Two:

A: Put True or False:

1. **F**
2. **T**
3. **F**
4. **F**
5. **F**

B: Musculoskeletal Systems

Question Three:

A: Complete

1. Nutrients 2. Organelles 3. Endoplasmic reticulum - nucleus
4. Mitochondria – cellular respiration

B: burst (swell and burst)

October Guiding Models

Model (3)

Question One:

A: Choose the correct answer from the following:

1. C 2. B 3. C 4. A

B: Vacuole

Question Two:

A: Complete the following sentences using the give words:

1. **bone - one**
2. **photosynthesis**
3. **cell membrane – nucleus**
4. **Bones – exoskeleton**
5. **hormones – adrenal glands**

B: Give a reason:

Because some substances can enter through it while other substances can't.

Question Three:

A:

1. **F**
2. **F**
3. **F**
4. **T**

B: Chlorophyll – chloroplast

Model (4)

Question One:

A: Choose the correct answer:

1. B
2. D
3. D
4. C

B: Because heart is made of muscle that contracts and relaxes automatically without any rest.

Question Two:

A:

1. **F**
2. **T**
3. **F**
4. **T**

B: The cell will not regulate the substances that enter or leave the cell.

or

Cell can't maintain the balance at both sides of the cell.

Question Three:

A:

1. **Involuntary muscle**
2. **Methylene blue stain (dye)**
3. **Cells**
4. **Chloroplast**

B: They can't get energy to carry out its all the vital activities.

C:

1. **(B) – One**
2. **Number**

Model (5)

Question One:

A: Choose the correct answer:

1. A
2. D
3. D
4. A

B: Write the scientific term:

Cell

Question Two:

A: True or False:

1. F
2. F
3. T
4. T
5. T

B: To allow movement and be able to store and use energy quickly.

Question Three:

A: Match

1. d 2. e 3. a 4. b 5. c

B: Plant can't make its own food through photosynthesis process that takes place inside chloroplast.

Model (6)

Question One: A: Choose the correct answer:

1. d 2. C 3. C 4. b

B: Complete the following sentences:

2. Tissues 2. Cell membrane

Question Two

3. Brain 2. Objective lenses 3. Nucleus 4. Bones

B: Give a reason:

Because cells must be specialized to perform specific functions.

Question three:

A. Match

1, c 2. d 3. a 4. b

B: Cellular respiration will not be happened. So, the cell can't get energy to carry out all vital activities.

Model (7)

Question One: A: Choose the correct answer:

1. A 2. B 3. C 4. A

B: Cytoplasm

Question Two: A: True or False:

1. T 2. F 3. T 4. T 5. F

B: To allow movement and be able to store and use energy quickly.

Question Three: A: Complete the following sentences, using the given words between brackets:

1. front – contracts 2. chlorophyll – chloroplast 3. Tissues 4. structural

B) Mention the type of the following muscles:

1. Voluntary muscle 2. Involuntary muscle 3. Voluntary muscle

Model (8)

Question One: **A: Put true or false:**

1. F 2. F 3. F 4. T 5. F

B: Give a reason:

Because eyelid muscles move automatically, and we can't control their movement while forearm we can control their movement.

Question Two: **A: Choose the correct answer:**

1. A 2. C 3. D 4. A

B: Give a reason:

Because the nervous system controls the movement of muscles of heart.

Question Three:

A: Complete the following sentences, using the given words between brackets:

1. Big – high power 2. Glands – temperature – pressure

B: Classify the following muscles in the suitable category:

Voluntary Muscles	Involuntary Muscles
Muscles surrounded eyeballs	Stomach muscles
forearm muscles	Eyelid muscles
abdominal muscles	Heart muscles
neck muscles	Diaphragm

October Guiding Models

Model (9)

Question One:

A: Choose the correct answer from the following:

1.d 2. d 3. c 4. d

B: Write the scientific term:

Water

Question two: A. true or false:

1.T 2. F 3. F 4. F

B: What happens if:

The cells can't get energy or carry out all vital activities.

Question three: A: Match

1.C 2. D 3. B 4. A

B: The animal cell

Model (10)

Question One:

A: Choose the correct answer:

1.D 2. D 3.B 4. B

B: Because it allows some substances to enter while others can't.

Question Two: A. True or False:

1.T 2. F 3. T 4. F

B: Cells

Question Three:

A.

1. **Cell wall – exoskeleton**
2. **Organelles**
3. **Endoplasmic reticulum – nucleus**
4. **Mitochondria – cellular respiration**

B. burst

امتحانات رقم (4)







Model exam (1)

1) choose the correct answer:

1) The two lungs expel ....outside the body.

a. water and urea b. oxygen c. carbon dioxide d. proteins and blood cells

2) ....is the area around the magnet at which the magnetism can be observed.

a. magnetic force b. magnetic field c. magnetic material d. Non magnetic material

3) magnets are used by generators and ....to produce ....

a. turbines & sound. b. light & sound. c. electricity and sound . d. turbines & electricity.

4) in a ....circuit all components are connected in one loop

a. open parallel b. open series c. closed parallel. d. closed series.

5) 1. The mercury is a liquid molecule consists of ....atom\s

a. one b. two c. three d. four

6- objects with low thermal energy has ....kinetic energy

a. high. b. medium c. low d. constant

2) a) Complete the following :

1) similar magnetic poles .... each other while different magnetic poles .... each other

2)..............................material is a nonmagnetic material.

3) When the switch is....................., the lamp in circuit will put off .

4) materials such as.............. and.......... ...... don't allow electrons to flow through.

b) What happens in the following case?

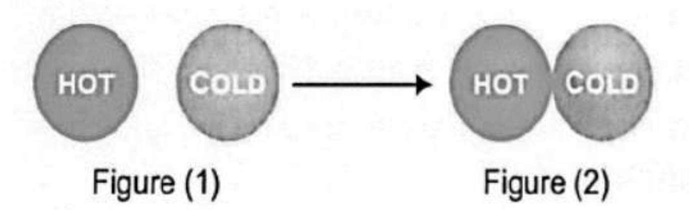
1 The blood pass through the two kidneys during its circulation inside the human body.

....

2-the speed of the moving object when it is affected by friction force

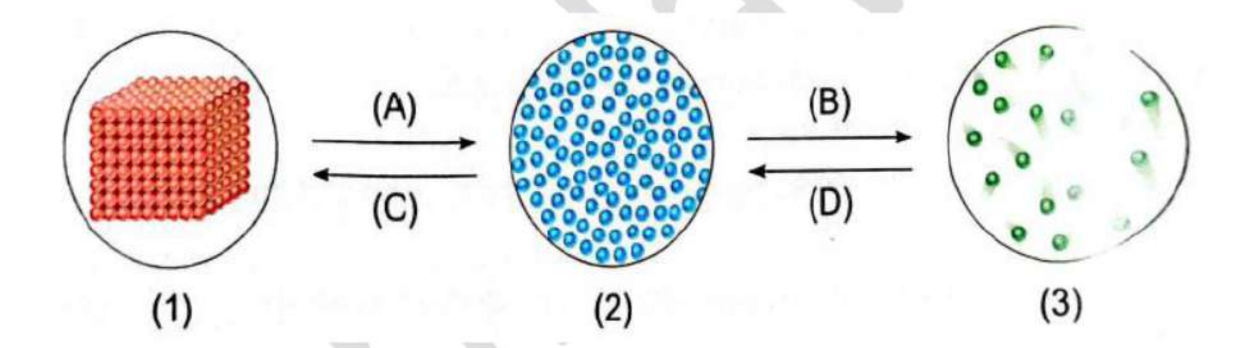
....

3)A) look at the following fig. then answer



1- heat transfers from ....object to ....object
2- molecules of hot object move ....than cold object

B) look at the following fig. then answer



1- the process(A)is called ....
2- the process (D)is called ....
3- The kinetic energy of the molecules in fig (3) ....than kinetic energy of the molecules in fig. (1)

Model exam (2)

1) choose the correct answer :

1) The two kidneys remove waste materials................and expel them in the form as of urine.

a. water and urea b. urea and blood cells c. water and proteins d. proteins and blood cells

2) Engineers design special devices to work instead of .... organ which filter the blood from wastes

a. stomach b. heart c. kidney d. lung

3) The systems of the human body get their needed energy from

a. the Sun. b. Water. c. food. d. carbon dioxide.

4) All the following are from the nutrients that the food contains, except......

a. Carbohydrates. b. fats. c. oxygen gas. d. proteins.

5) 1. The molecule consists of very small particles called

a. Cells. b. Atoms. c. mixtures. d. compounds.

6- To make bridges we can use..................

a. flexible fabric. c. smart clothes. b. Concrete. d. glass.

2) a) Complete the following :

1) Magnetism is an attraction or ....force while gravity is ....force only.

2)..............................material is a magnetic material.

3) When the switch is...................., the circuit will be flows.

4) There are materials known as such as.............. and......... that allow electrons to flow through.

b) What happens in the following case?

1 The blood does not pass through the two kidneys during its circulation inside the human body.

....

2-Bridges if expansion joints are not designed.

....

3-Increasing the time of contact between two objects with different temperatures.

....

Model Exams Primary. 6 final revision

3)a- Put sign (√) or (x) in front of each of the following:

1- acid and enzymes which are secreted inside stomach lead to more breaking down of food( )

2- All materials allow electric current to flow through them. ( )

3- Saliva is a liquid which is secreted by endocrine system inside your mouth( )

4- Electric wires are coated with rubber or plastic to protect us from electric shock. ( )

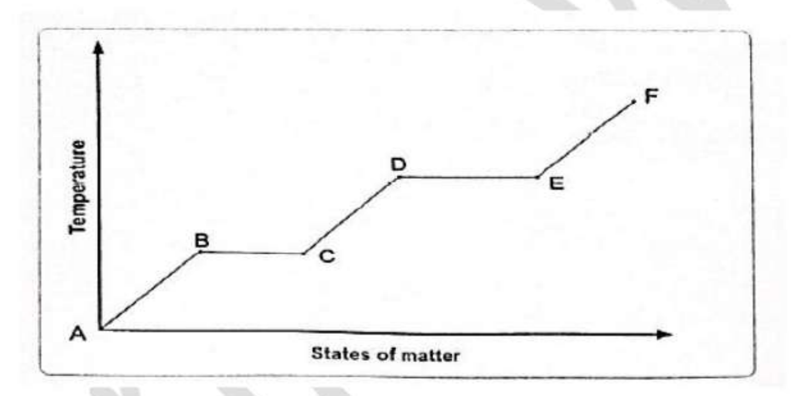
5- Expansion and contraction are two similar processes. ( )

6. Every material is useful for all purposes. ( )

b- Classify the following materials into materials that will close the circuit and others will not close it? giving reason?:

(Iron nail - plastic spoon -Rubber -Metallic spoon - Piece of wood - Metallic key)

(4) Look at this diagram, then choose the correct answer:



1. Which state(s) of matter is (are) present at area (A-B)?

a. Solid. b. Gas. c. Solid and gas. d. Liquid and gas.

2. Between which points the substance starts to change from liquid state into gas state?

a. A-B b. B-C c. C-D d. D-E

Model exam (3)

1)Complete the following

1-When the switch is...................., the electric current will stop flow.

2- ....Is the source of electricity in any electric circuit.

3-The electric wires are covered with............as it is a .... to flow electricity through it

4. When you sweat, waste leaves the body through pores in your ....

2) Write the scientific term of each of the following:

1) The organ that is responsible for regulating the sugar level in blood. ( )

2) A hormone that controls the level of sugar in the human blood. ( )

3) . It is used to adjust the temperature inside some devices such as the refrigerator. ( )

4)The materials that the electric charges can flow through. ( )

5)It is the increase of the size of a substance due to increasing of its temperature. ( )

6. It is the state of matter that has a fixed shape and spaces between its molecules are very narrow. ( )

7) The way by which the heat is transferred through solids only. ( )

8) A material is made of a mixture of iron and other elements. ( )

9) The temp. at which matter change from solid state to liquid state . ( )

10) A form of energy that gained or lost by the matter to change its state. ( )

3) Correct the underline word:

1) Cobalt is an example of nonmagnetic material
2) Battery is used to open and close the electric circuit .
3) the two kidneys remove wastes materials from undigested food which come out in the form of sweat
4) Diabetes is one of the disorders of respiratory system

Model Exams Primary. 6 final revision

4) from the figure

1) what the name of this system

....

2) what is the function of part (X)

....

5) Give reason for each of the following

1. Electric wires are wrapped in plastic.

....

2. Electric wires are made of copper.

....

3-Ice melts when it is put in a hot cooking pan.

....

Model exam (4)

1) Choose the correct answer from each of the following:

1- The area around magnet in which magnetism can be observed

a-magnetic field b- magnetic substance c- magnetic force d-magnetic energy

2- the flow of electric charges along a closed path causes ....

a-electric circuit b- electric current c- light energy d-magnetism

3- ....An internal switch in fridge can be used to adjust temperature

a-battery b-light bulb c- wall socket d-thermostat

4- ....Is used to slow the flow of electric current

a-battery b-resistor c- lamp d-switch

5- The transformation of gas into liquid is called.........process.

a. Melting b. Evaporation c. condensation d. freezing

6-Matter............it just changes from one state to another.

a. neither be created nor destroyed

b. can be created and destroyed

c. can't be created but destroyed

d. can be created but can't destroyed

2)Correct the underlined word:

1) copper, rubber are electric conductors .

2) Erath attract objects to its center due too its great density .

3) Rheostat in fridge contain a manual switch

4)electric wire can be made of rubber and covered with copper

3) a) Fron the opposite fig

1- The parallel circuit is number ....

2- what happen when you remove lamp from circuit (B)

....

Figure (A) Figure (B)

b) Cross the odd word out:

1) battery - wires - magnet – lamp.

2)glass – cobalt – wood – paper .

2) blood – blood 2)iron –

4) a) What is the importance of

1-battery in electric circuit .... 2- switch in electric circuit...................................

b) Give reason for :

1- Cobalt and nickel are considered magnetic materials.

....

2- Generator is very important in our life

....

3-Smart clothes have many benefits.

....

(c) Cross out the odd word:

1-Conduction - Convection - Friction - Radiation.

....

2- Air – copper – wood – glass

....



Model Exams Primary. 6 final revision

Model exam (5)

1) Choose the correct answer from each of the following:

1- Urination process happen by the help of ....system

a- respiratory b- digestive c- urinary d- nervous

2- the two kidneys remove wastes materials as ....

a-water & urea b-urea & blood cells c- water & protein d-protein & blood cells

3- generators are used in ....

a-generating heat energy b-operating electric devices c- producing sound d-building houses

4- .... is a poor conductor substance for electricity.

a- Iron b- Copper c- Aluminum d- glass

5- Objects with more thermal energy have... kinetic energy.

a. More b. Less c. the same d. no

6. Heat is transferred through gases by.........

a. radiation only. b. conduction and convection.

c. conduction only. d. radiation and convection.

2)Put right or false :

1) The electric devices in houses are connected in a series connection (......)

2) Wood and plastic are electrical insulators (......)

3) Gravity is a force by which the magnet attract objects to itself (......)

4)Studying kidney model can save time , money and effort . (......)

5) Hot water molecules have more kinetic energy than cold water. (......)

6) Plastic and wood resist and slow down the heat transfer through them. (......)

3) Fron the opposite fig

1- the tool is called ....

2-the tool is surrounded by area called ....

4) A) Give reason for :

1- Some electric circuits contains resistor.

....

2- when a magnet move rapidly in a coil wire the needle of galvanometer connected to the coil move rapidly

....

B- Look at the opposite fig. then answer the following questions:

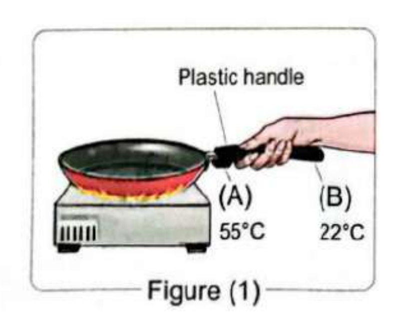


Figure (1)

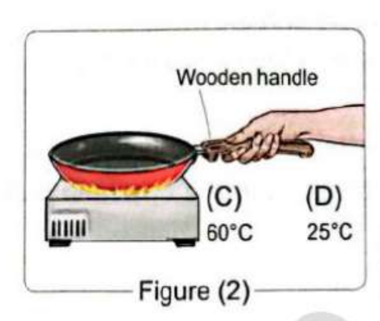


Figure (2)

-Give reason :

- the handles are made up of wood and plastic.

....

-Complete:

- the handles in fig. .... Warms faster than the handles of fig ....

Model Exams Primary. 6 final revision

Model answer (model 1)

1) 1-c 2-b 3-d 4-d 5-a 6- c
2) A) 1- repel - attract 2- glass , wood 3- opened 4- wood & plastic
   B)
   1- Nephron filter the blood and remove the harmful substance
   2-The speed will decrease

3) A) 1- Hot – cold
   2- faster
   B) 1- melting
   2-condensation
   3- more

Model answer (model 2)

1}

1- a 2- c 3- c 4- c 5- atoms 6- concrete

2- A)

1- Repulsion - attraction

2- Iron – cobalt

3- closed

4- copper – iron

b) 1- the wastes as uria will increase in the blood causes death

2- it will be bend due to its expansion and may causes accident

3-the temp. will transfer from body of higher temp.to body of lower temp until it will stop Transferring

3) a) 1-√ 2- x 3- √ 4- √ 5- x 6- x

b) close the circuit : iron nail - metallic spoon - metallic key

4- 1- solid

3- D-E

Model answer (model 3)

1}

1- open

2- battery

3- plastic – insulator

4- skin 5- Expansion 6- Solid state 7- conduction 8 -alloy 9- melting point 10- thermal energy

3} 1- wood 2- switch 3- urine 4- endocrine

4) 1- urinary system

2- store urine until it repels outside the body.

5)- 1- bec. plastic is a bad conductor of electricity

2- bec. copper is a good conductor of electricity

3- bec. heat transfer from hot pan to the ice so it melts

Model answer (model 4)

1}

1- a 2- a 3- d 4- b 5-c 6-a

2} 1- iron 2- mass 3- automatic 4- copper - rubber

3} a) 1- A 2 – The other lamp will put off

b) 1- magnet 2- cobalt

4) a) 1- battery is the source of electricity

2- switch open and close the electric circuit

b} 1- Bec. they are attracted to the magnet

2- bec . it is used in operating devices in home and generating electricity

3- bec. it can : 1- control the body temperature 2-light up in the dark 3- keep themselves clean

C} 1- friction 2 – cooper

Model answer (model 5)

1}

1- c

2- a

3- b

4- d

5- a

6- d

2} 1- X 2- √ 3- X 4- √

3} Magnet 2- magnetic field

4} 1- to adjust the temperature inside the device

2- Bec. magnetism has electrical effect.

B) 1- Bec. wood and plastic are bad conductors of heat

2- fig. 2 - fig. 1

امتحانات رقم (5)







Model Exam"1"

Choose The Correct Answer:

1- To make clothes we can use ……………..

a) steel. B)concrete c) Hard fabric d)Flexible fabric

2- The animal cell cannot make photosynthesis process, because it doesn't have ………………….

a) nucleus. B) chloroplasts c)mitochondria d)sap vacuole

3- In a dangerous situation, your eyes send the information to the……….. to perform the suitable action

a) brain b) stomach c) Lungs d)heart

4- The molecule is composed of very small particles called ……………..

a) compounds . b) cells c)atoms. D)Mixtures

Give a reason for the following:

Engineers use expansion points in the designing of bridges.

Put (✓) or (x):

1- Molecules of cold or hot substances always move ( )

2- Exoskeleton gives some insects their shapes. ( )

3- No spaces are left between railroad tracks. ( )

4- Magnets attract the non-magnetic materials such as iron, nickel and steel ( )

What happens if

The animal cell is surrounded by cell wall

Write the scientific term of each of the following:

1- It occurs when heat transfer stops between two objects reach the same temperature.

2- The area around the magnet in which its force appears.

3- A device used to measure the temperature

Choose from column (B) what suits it in column (A):

(A)	(B)
1- Cell wall 2- Chloroplasts 3- Sap vacuole 4- Chlorophyll	a) Stores nutrients, water and waste materials inside the plant cell. b) Surrounds the plant cell to give it a definite shape. c) Gives the animal cell its definite shape. d) are sac-like organelles that contain tiny green granules e) absorbs the energy of sunlight to make photosynthesis process

====================================

Model Exam"2"

Choose The Correct Answer:

1- The smallest tiny Structures that build up all living organism's bodies are……..

a) systems b) cells c) organs d)Bricks

2- Engineers design special devices to Work instead of………. Organ which filter the blood from Waste materials.

a) stomach b) heart c) kidney d) Lung

3- Magnets can be made of…………

a) copper b) glass c) iron d) plastic

What happens if?...

There is much water enters the cell

Put (✓) or (X):

1- Proteins can pass through nephrons during filtration of blood in the kidneys.( )

2- Bacteria and horse are considered as multicellular organisms. ( )

3- Nutrients reach the nerve cells which found in your hand by the help of circulatory system ( )

Look at the figures below, then answer the questions:

1- In which figure the hand will feel heat?
2- Give a reason for your answer.



Complete the following sentences:

1- Wood,…………. And………. Are examples of electric insulators
2- The presence of………… pigment gives most plants their………… color.
3- Urine is composed of ………….., Other wastes and………
4- Different materials………… By heating and……………. By cooling.

Model Exam"3"

Choose the Correct answer

1- The body of……….. Is composed of One cell only.
   a) Human b) bacteria c) a big tree d) an elephant
2- Cardiac muscles are type of involuntary muscles which form the………..
   a) Stomach b) Intestine c) Lungs d) Heart
3- …………. Is used to Slow the flow of an electric current In the electric circuit.
   a) A battery b) A switch c) A resistor d)A lamp
4- Among the organs which contain voluntary and involuntary muscles is the………..
   a) Heart b)arm c)eye d)leg.

Put(✓) or (X):

1- Cell biologists are scientists who study rocks. (   )
2- The cells of monkey are surrounded by cell membrane from outside .(   )
3- We can see the examined sample in bigger size when using the high power objective lens. (   )
4- All cells of human body have a nucleus (   )
5- There are many small vacuoles in the cells of a bird. (   )

Give a reason for the following:

The lower part of an electric iron is made of iron.

What happens if...

The blood that carries waste materials passes through nephrons of the two kidneys

Choose from column(B) what suits it in column (A):

(A)	(B)
1- A group of similar cells form . 2- A group of different tissues form. 3- A group of different organs form 4- A group of different systems form	a) organs. b) cells c) whole body d) tissues e) systems

1……………… 2 ……………….. 3 …………… 4 …………

Model Exam"3"

Complete the following sentences

1- Friction between a moving car and a road causes changing of its……… Energy into ………….energy
2- The generator consists of large………. and ……….
3- Cell wall is made up of……………. and gives the plant cell its definite……..
4- Endocrine system consists…………. Which secrete hormones that control the body temperature and blood.

Give a reason for the following:

Cobalt and nickel are considered as magnetic materials.

Put (v) or (X):

1- The needle of a galvanometer moves on moving a magnet in and out Of a copper coil. ( )
2- Plastic often resists burning. ( )
3- Heat flows from a colder substance to a hotter substance. ( )
4- All systems in your body work together in an integrated way.( )

Look at the opposite figure, then answer the questions:

Label the figure:

1 ……………………… 2 ……………………..

3…………………….. 4……………………..

What happens if

The blood does not pass through the two kidneys during its circulation inside the human body.

Write the scientific term of each of the following

1- A device that is used to see the structure of living organisms cells.
2- A type of involuntary muscles which form the heart that contract and relax all time without stopping
3- They are cell organelles that provide the cell with the needed energy.
4- A liquid in your mouth contains enzymes that help in digestion process.

Model Exam"4"

Choose the correct answer:

1- The cell needs ………….. To get its needed energy and stay alive.
   a) oxygen only
   b) water only
   c) food and water only
   d) food, oxygen and water
2- Among the organs which contain voluntary and involuntary muscles is the………..
   a) Heart b)arm c)eye d)leg.
3- To see the structure of a cell under microscope we must color it by using………….
   a) stains. B)water. C)sunlight. D)vinegar.
4- ……………. Are used to stop the flow of electricity
   a) Resistors c) Electric conductors
   b) Electric insulators d)Galvanometers

Put (✓) or (x):

1- Spaces between molecules of a substance increase by decreasing the temperature of this substance. ( )
2- Railroad tracks are made up of iron. ( )
3- Gases have variable shape and volume. ( )

What happens when?...

You touch a hot cup of tea. (According to transfer of heat).

Choose from column (B) what suits it in column (A).

Column (A).	Column (B)
1- Digestion process 2- Urination process 3- Excretion process	a) Is the process in which excretory system collects the waste materials produced by cells and removes them from the body. b) Is the process of converting the complex food Into simpler substances that the body can use For energy and growth. c) Is the process of taking oxygen gas and expelling carbon dioxide gas. d) is the process of expelling urine outside the Body

1 ………………. 2……………… 3…………………

Model Exam"5"

Choose the correct answer:

1- If you stand on hot sand in barefeet, you will feel the hotness of the sand Because…………

a) heat transfers from your legs to sand.
b) heat transfers from sand to your legs.
c) your legs are hotter than sand.
d) your legs and sand have the same temperature.

2- The average temperature is almost………. The final temperature of the mixture of two substances with different temperatures at the thermal equilibrium.

a) More than b) Less than c) Equal to d)Double

3- As a result of heat flow through metals, they…………..

a) expand. B)contract c) get smaller d)are not affected

4- The state(s) of matter with the greatest amount of energy is/are

a) solid. B)liquid c)gas d)Solid and liquid

Give a reason for the following:

Importance of respiratory system in excretion process.

Correct the underlined words:

1- <u>Respiratory</u> system provides the skeletal system with nutrients needed For growth

2- When your eyes see a dangerous situation, the <u>heart</u> sends a signal To the muscles to contract.
3- <u>Digestive</u> system controls the muscles of heart.

What happens if

Circulatory system cannot transmit the nutrients to the nerve cells.

Look at the opposite figure then answer:.

1- This device is called ....
2- It consists of........... and ....
3- The idea of its work is changing Energy into

.... energy

4- This device is used in........... and ....

Model Exam"6"

Choose the correct answer :

1- Both .... and .... are examples of liquid matter.
a) water-milk b) water-wood c)water-copper d)oil-paper

2- Temperature is a measure of the............. energy of molecules of a substance
a) Potential b) kinetic c)light d)chemical

3- Water molecules have the lowest kinetic energy when it is in the form of..........
a) water vapor b) water drops. C) steam . D)ice.

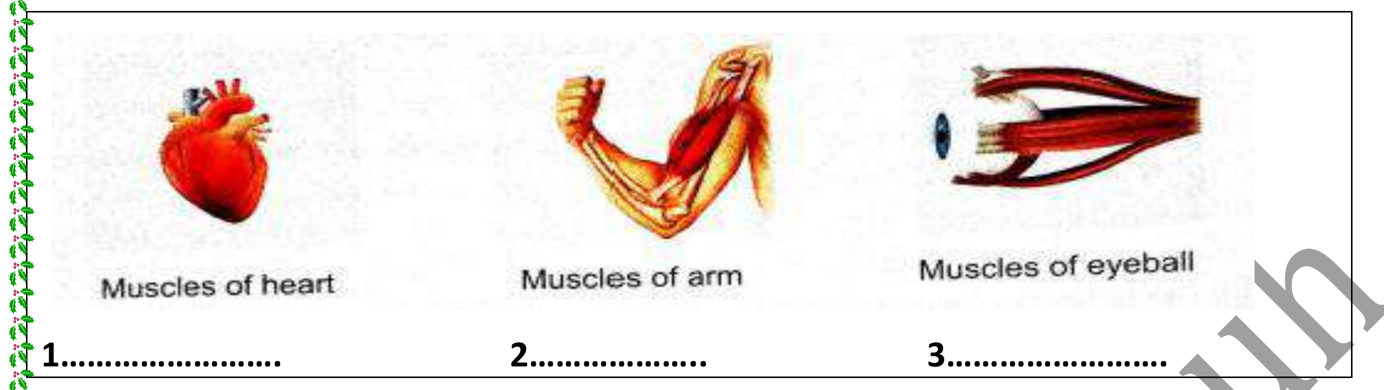
Give a reason for the following:

The level of alcohol inside a thermometer rises up if we put it inside hot water.

Put (✓) or (x):

1- The cells that build up a fish body are similar to that of onion plant.( )
2- Chlorophyll is responsible for absorbing the energy of sunlight to make The food of plants ( )
3- Cobalt is an example of magnetic materials. ( )
4- The natural pacemaker inside our heart creates electrical currents to Make it stops ( )

Look at the following figures, then mention the type of muscles (voluntary or Involuntary)



1…………………… 2……………….. 3……………………

Write the scientific term of each of the following:

1- It is the change of matter from liquid state to solid state
2- A process in which liquid molecules move faster and change to another state
3- The decrease in the volume of a material as its temperature decreases

Model Exam"7"

Complete the following sentences:

1- Concrete is in………. State when it is formed, while after it dries, it becomes in………… state .
2- Plant cell contains one big ………. which stores nutrients, water and waste materials, while animal cell contains many small………… which do the same Function as in plant cell.
3- The muscles of heart are called ……….. muscles and they are considered as a type of …………. muscles.
4- All objects are pulled toward Earth's………… Due to……… Force of Earth.

Give a reason for the following:

Vacuoles act as storehouse in cities

Correct the underlined words:

1- We can see the cells of all living organisms with the <u>naked</u> eye.
2- <u>Pancreas</u> absorbs most of water from the undigested food.
3- Substances in <u>gas</u> form have the least thermal energy.
4- Magnetism is a pulling or pushing force, while gravity Is <u>pushing</u> force only.

What happens to?...

The lungs when the diaphragm muscle contracts.

Choose from column (B) what suits it in column (A).

Column (A).	Column (B)
1- Circulatory system. 2- Nervous system 3- Digestive system	a) Is the system which responsible for providing the body with its needed nutrients. b) is the system which responsible for Exchanging gas. c) Is the system which responsible for Transmitting nutrients to all the body parts d) is the system which responsible for controlling the other systems in the body.

1………………… 2……………. 3 …………………

Model Exam"8"

Complete the following sentences:

1- Concrete is used as the base of……….. and ………. as it is very strong.
2- Cellulose makes up…………… Which is found in………….. Cells only.
3- The gravity of Earth is affected by two factors which are ………… And ……….
4- After completing the digestion of food, the walls of ………. absorb the nutrients Through……….. that carry them to all body parts

What happens to?...

The lungs when the diaphragm muscle contracts.

Put (✓) or (X):

1- When mixing two substances with different temperatures, their average temperature is lower than their final temperature. ( )
2- When a liquid is cooled, it may change into gas. ( )
3- No spaces are left between railroad tracks. ( )
4- Metals such as copper and iron allow heat to travel freely through them. ( )

Write the scientific term of each of the following:

1- A disease that is resulting from the disorder of secreting insulin Hormone by pancreas.
2- The force that allows the magnet to attract some materials without making Direct contact.

Give a reason for the following:

Nervous system helps circulatory system to do its function.

Choose from column (B) what suits it in column (A):

(a)	(b)
1- Battery 2- iron 3- Muscle cells 4- By convection	a) Is a matter that has fixed shape and volume. b) is transferred between molecules of boiling water. c) is a source of electric charges in the circuit d) are cells in the form of long fibers to allow movement. e) Is a matter that has variable shape and volume.

Model Exam"9"

Choose the correct answer:

1- Materials………. By ………… Their temperatures
   c) expand-decreasing   c)contract-decreasing
   d) contract-increasing   d)melt-decreasing
2- The molecule consists of very small particles called……………..
   b) Cells.   B)Atoms   c) Mixtures   d)Compounds
3- The transformation of gas into liquid is called……… Process.
   b) Melting   b) Evaporation   c) Condensation   d)Freezing
4- Objects with more thermal energy have………….. Kinetic energy
   b) More   b) less   c) the same   d) no

Write the scientific term of each of the following:

1- The microscope that helps us to see the top, sides and layers of The cell
2- It is the system that secretes hormones to control the body temperature and the blood pressure.
3- An organelle which helps in packing and transporting different materials between the cells and out of the cell
4- The force that allows the magnet to attract some materials without making Direct contact.

Give a reason for:

Aluminum and copper are good conductors heat

Cross out the odd word:

1- Air-Copper-Wood-Glass.
2- Human-Fish-Plant-Bacteria.
3- Urine Oxygen gas-Carbon dioxide – Sweat.
4- Oil-Milk-Iron-Vinegar.

Complete the following sentences using the words below:

(the cell-methylene blue-tissues-number)

1- To see the nucleus of a cell under microscope, we can stain the cell with………. Dye.
2- Muscle organ is composed of a group of…………. that do the same function.
3- Robert Hooke named the boy particles that he saw under his microscope with …………….
4- Your body grows up due to the increase in…………. of your body cells.

Model Exam"10"

Choose the correct answer:

1- The ………… energy is related to the motion of particles of matter .

a) Chemical b.) potential c)light d) thermal

2- All the animals have bones in their bodies, except …………….

a) cats b) dogs c) birds. D) insects

3- The systems of the human body get their needed energy from……….

a) the Sun b)water c) food d) carbon dioxide

4- the …………… of objects and the………… between them affect the gravity force.

a) Mass – color
c) mass distance
b) distance-mass
d) volume-distance

What happens to

Molecules movement of a hotter substance after mixing it with a cooler substance.

Write the scientific term of each of the following:

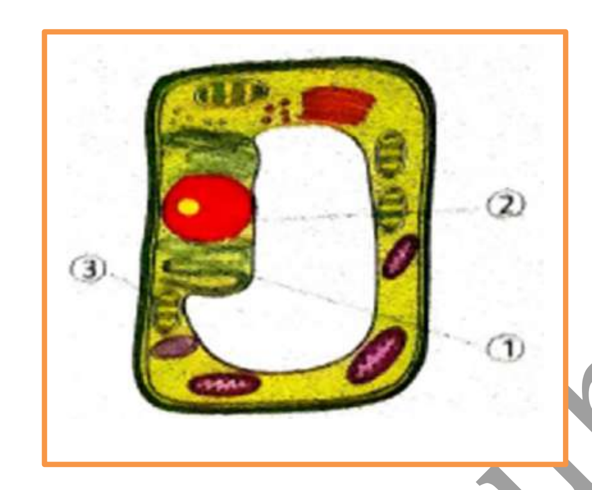
1- A mixture of rock, sand and water which becomes hard after it dries.
2- It is a group of atoms bound together.
3- It is often located at the center of the cell
4- The system which helps the body to move.

Give reason for the following:

Cardiac muscles are considered as involuntary muscles.

Look at the opposite figure, then complete

The following sentences:



1- Structure number …………. Controls the formation of proteins.

2- Structure number ……………. Contains chlorophyll pigment which found in plant Cell only .

3- Structure number…………… Transports Proteins inside the cell to build and repair the cell.

Model Exam"11"

Complete the following sentences:

1- The ……….Point and ………. Point are physical properties of matter.
2- Chlorophyll absorbs the energy of ………… to allow the plant makes its own food by ………. Process.
3- The electric current causes ……………. In the human body as it contains …………. that is good conductor of electricity
4- Stomach contains an……….. And some……… That lead to more food breakdown.

What happens to

Molecules movement of a hotter substance after mixing it with a cooler substance.

Put (✓) or (X):

1- Metals such as copper and iron allow heat to travel freely through them.( )
2- Food coloring (dye) spreads out in cold water faster than in hot water( )
3- Cobalt is an example of magnetic materials ( )
4- in series circuits, the electric current can flow in different branches. ( )

Give a reason for the following:

The cell allows water to go outside it.

Write the scientific term of each of the following:

1- The state of matter which changes into liquid state by heating
2- .The are scientists who study cells

3- The materials that are attracted to the magnet
4- The organ that controls the level of sugar in the human body.

Cross out the odd word:

1- Conduction-Convection-Friction – Radiation
2- Plastic – Copper – Iron – Aluminum.

Model Exam"12"

Choose the correct answer

1- Heat is transferred through solids by…………
a) Radiation only. C)Conduction only
b) Conduction and convection. D)Radiation and convection

2- Particles of all the following substances have a lot of energy, except……
a) Oxygen b) carbon dioxide. C) water vapor. D)Glass.

3- We can see the Cell of…………. Without using a microscope.
a) Bacteria b) plant c) human d)Bird's egg

4- Urination process happens by the Help of………. system.
a) Digestive b) urinary c) respiratory d) skeletal

Give a reason for the following:

Cats are considered as multicellular organisms.

Put (✓) or (X):

1- We can measure the temperature by using thermometers . ( )
2- Matter can't be changed from one form to another. ( )
3- If your body doesn't get rid of waste, you will be healthy. ( )
4- Sometimes electricity can be used to help our body parts to move.( )

What happens to?...

The mass of a piece of butter after melting it.

Write the scientific term of each of the following

1- The component of cell that allows water to enter and exit the cell.
2- The materials that the electric charges can flow through.
3- The mass of a substance doesn't change when this substance changes from one stale into another.

Model Exam"13"

Choose the correct answer:

1- Meteorologists are scientists who study …………….

a) Weather. B) Rocks c)Water. D) Space

2- Materials………… on heating

a) Expand b) contract c)Compress d) Do not change

3- Stomach is composed of a group of different ………..

a) Cells. b)Systems. C) organs. d)Tissues.

Give a reason for the following:

You cannot see the body of bacteria with your naked eye.

Put (✓) or (x):

1- Expansion and contraction are two opposite processes. ( )

2- Bacteria and horse are considered as multicellular organisms. ( )

3- Muscle cells cannot store and use energy quickly. ( )

4- Smart clothes can light up in dark places. ( )

Correct the underlined words

1- When the temperature of solids <u>increases</u>, their volume decrease .

2- Friction <u>increases</u> the speed of moving objects.

3- A group of different tissues can form a <u>cell</u>.

4- The electric <u>current</u> is the path for electricity that consists

What happens to…

The state of glass when it is heated at very high temperatures.

Complete the following sentences:

1- When a substance is contracted, its volume………. While its volume Increases when it is…………

2- Mitochondria in muscle cells convert ……….. Inside the cells into………. which is needed for doing different exercises.

3- The relation between magnetism and Electricity is used in electric ……. Electric generators and electric.

حمل الآن

مجانا وحصريا

امتحانات رقم (6)







Science department

Primary stage



Final Revision

Primary 6

(2023/2024) 1st term

Model exam (1)

1-(A) Choose the correct answer:

1. The internal switch on a ……….. can be used in the refrigerator to adjust its temperature.

a. battery b. thermostat c. light bulb d. wall socket

2. In a dangerous situation, your eyes send the information to the …………. to perform the suitable action.

a. brain b. stomach c. lungs d. heart

3. The body of ………………. is composed of one cell only.

a. human b. bacteria c. a big tree d. an elephant

4. Heat is transferred through solids by ……………….

a. radiation only b. conduction and convection

c. conduction only d. radiation and convection

(B) What happens if …..?

-A magnet is approached close to some iron nails mixed with small pieces of paper.

……

……

2-(A) Complete the following sentences:

1- Mitochondria in muscle cells convert …………………………… inside the cells into …………………………… which is needed for doing different exercises.

2-Thermal ………………………….. materials allow heat to travel freely through them such as ……………………………………

3-Friction between a moving car and a road causes changing of its …………………….. energy into …………………………… energy.

4-The gravity of Earth is affected by two factors which are …………………………. and……………………………………

(B) Give a reason for:

-Blood cells and proteins can't pass through the kidney's nephrons.

....

....

3-(A)Write scientific term:

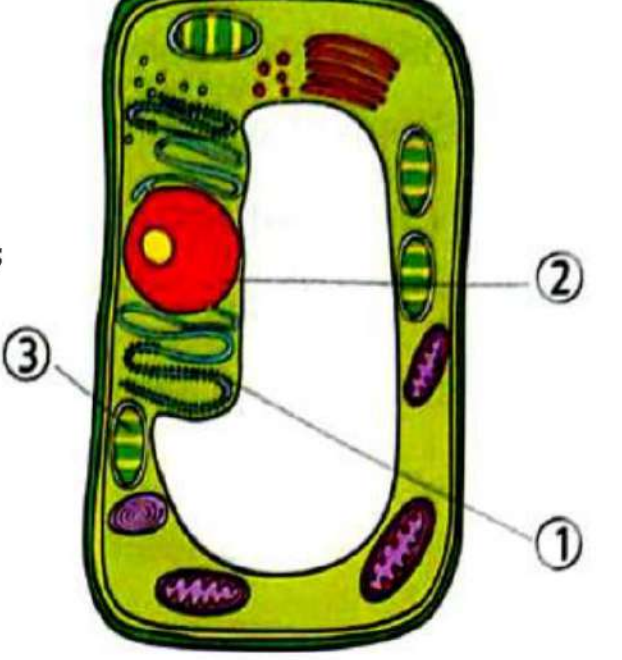
1. It is a group of atoms bound together.	( )
2. The organ that controls the level of sugar in the human body.	( )
3. It surrounds the plant cell to give it a definite shape.	( )
4. A device used to measure the temperature.	( )

(B) Look at the following diagram and complete:

1- Structure number ………….. controls the formation of proteins.

2-Structure number …………. contains chlorophyll pigment which found in plant cell only.

3-Structure number ……………. transports proteins inside the cell to build and repair the cell.



Model exam (2)

1-A)Write (true) or (false)

(1) The building unit of living organism body is the atom ( )
(2) By increasing thermal energy kinetic energy increase ( )
(3) All cells are similar in the shape and structure ( )
(4) Melting point is the change of matter from solid state to liquid state ( )

B)Give reason for:

The green color of plants leaves?

2-A)Choose the correct answer

(1) The…………… energy is related to the motion of particles of matter.
a. Chemical. B. Potential. C. Light. D. Thermal
(2) Heat transferred through solids by. ………………
a. radiation only. C. Conduction and convention
b. conduction only . d. Radiation and convection.
(3) Material………. On heating.
a. expand b. Contract. C. compress. D. Don't change
(4) The skeletal system takes nutrients from…………..system for the growth of muscles.
a. Circulatory. D. Digestive. C. Nervous. D. Respiratory

B)What happens to

The animal cell is surrounded by a cell wall.

3-A)Write the scientific terms:

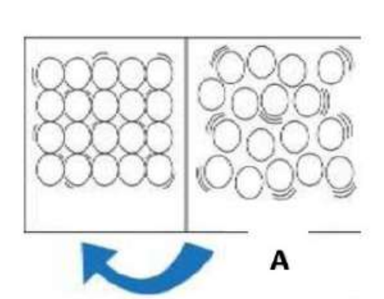
1 – they are sac-like organelles that contain tiny green granules and found in plant cell only ( )

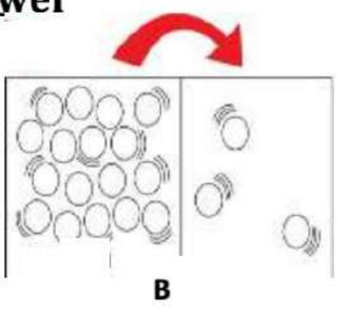
2- it is the system that responsible for storing and get rid of waste materials that produced from the cells (   )

3 – the area around the magnet in which its magnetic force appears (   )

4 – it is the smallest building unit of the matter (   )

B)Study the opposite figures and answer





1-Which of the following figures show expansion of molecules?

2-Choose

When we heat matter the molecules (gain – lose) energy.

and the spaces between its molecules (decrease- increase.)

Model exam (3)

1-(A) Choose the correct answer:

1- The .... energy is related to the motion of particles of matter.

A. Chemical. B. Potential. C. light. D. Thermal.

2- We can see the cell of ....without using a microscope.

A. Humans. B. lions. C. Plants. D. Birds' egg.

3- ………………… is used to slow the flow of an electric current in the electric circuit.

A. A battery. B. A switch. C. A resistor. D. A lamp.

4- Heat is transferred through air by ………………………..

A. Radiation only. B. Conduction only.
C. Conduction and Convection. D. Radiation and Convection.

(B) What happens to:

The level of alcohol inside a thermometer if we put it inside cold water.

……

2- (A) put true or false:

1. Exoskeleton gives some insects their shapes. ( )
2. Cobalt is an example of magnetic materials. ( )
3. Expansion and contraction of matter occur due to the changes in temperature. ( )
4. In series circuits, the electric current can flow in different branches . ( )

(B) Give reason for:

- Muscle cells are in the form of long fiber.

……….

3- (A) Correct the underlined word:

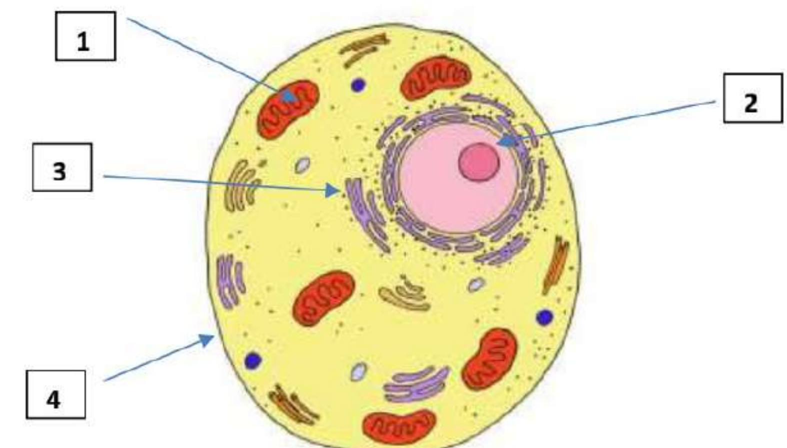
1-<u>Pancreas</u> absorbs most of water from the undigested food. (……………………)

2- Changing the state of matter from gas to liquid is called <u>Evaporation</u>. (……….)

3-We can see the cells of all living organisms with the <u>naked eye</u>. (……………………)

B) Look at the following figure, then write the correct number beside the suitable sentence:

1- Energy producers. (..........)
2- Cell division. (..........)
3- Assembling and transporting proteins. (.........)
4- Selective permeability. (........)



Model exam (4)

Question (1) : Choose the correct answer:

1) The number of cells which build up a baby's body is............... which build up his father's body.

a. more than b. less than
c. equal to d. double

2) Stomach is composed of a group of different.........

a. bacteria b. systems c. organs d. tissues

3) The structure of plant cell which is made up of cellulose is the ....

a. Cell membrane b. cytoplasm
c. nucleus d. cell wall

4) The two kidneys remove waste materials as ....,and expel them in the form of urine.

a. Water and urea. c. Urea and blood cells
b. Water and proteins. d. Proteins and blood cells

5) The muscle is considered as..........................

a. a cell. b. a tissue. c. an organ. d. a system

Question (2) : Put (√) or (X) :

1- When chemical change happens, the properties of new materials ~~are~~ the same properties of original materials ( )

2- Plastic is better than wood in making the handle of cooking pots ( )

3- Heat is transferred through solids and liquids by convection ( )

4- When kinetic energy of molecules decreases, they vibrate slower ( )

5- Scientists use an artificial pacemaker to stimulate heart to beat regularly ( )

Question (3) :

A- Write scientific term :

1- It is a green pigment which absorbs the energy of sunlight to make photosynthesis process in plants
(……………………………….)

2- The system which helps the body to move
(……………………………….)

3- The process of expelling urine from the body.
(……………………………….)

4- The materials that attracted to the magnet
(……………………………….)

B- What happens to :

The mass of a piece of butter after melting it

……………………………………………………………………………………………………

Science department

Primary stage



Model answers Final Revision Primary 6 (2023/2024) 1st term

Model answer Exam (1)

1-(A) Choose the correct answer:

1. The internal switch on a ………… can be used in the refrigerator to adjust its temperature.

a. battery **b. thermostat** c. light bulb d. wall socket

2. In a dangerous situation, your eyes send the information to the …………… to perform the suitable action.

a. brain b. stomach c. lungs d. heart

3. The body of ………………. is composed of one cell only.

a. human **b. bacteria** c. a big tree d. an elephant

4. Heat is transferred through solids by ……………….

a. radiation only b. conduction and convection

c. conduction only d. radiation and convection

(B) What happens if …..?

-A magnet is approached close to some iron nails mixed with small pieces of paper.

-The magnet will attract the iron nails, but it will not attract the small pieces of paper.

2-(A) Complete the following sentences:

1- Mitochondria in muscle cells convert **sugar** inside the cells into **energy** which is needed for doing different exercises.

2-Thermal **conductors** materials allow heat to travel freely through them such as **copper**.

3-Friction between a moving car and a road causes changing of its **kinetic** energy into **thermal** energy.

4-The gravity of Earth is affected by two factors which are **distance** and **mass**

(B) Give a reason for:

-Blood cells and proteins can't pass through the kidney's nephrons.

-Because blood cells and proteins are large in size.

3-(A)Write scientific term:

1. It is a group of atoms bound together.	(**Molecule**)
2. The organ that controls the level of sugar in the human body.	(**Pancreas**)
3. It surrounds the plant cell to give it a definite shape.	(**Cell wall**)
4. A device used to measure the temperature.	(**Thermometer**)

(B) Look at the following diagram and complete:

1- Structure number **(2)** controls the formation of proteins.

2-Structure number **(3)** contains chlorophyll pigment which found in plant cell only.

3-Structure number **(1)** transports proteins inside the cell to build and repair the cell.

Model answer exam (2)

1-A)Write (true) or (false)

(1)The building unit of living organism body is the atom (F)

(2)By increasing thermal energy kinetic energy increase (T)

(3)All cells are similar in the shape and structure (F)

(4)Melting point is the change of matter from solid state to liquid state (F

B)Give reason for:

The green colour of plants leaves ?

Due to chlorophyll in chloroplasts .

2-A)Choose the correct answer

(1)The…………… energy is related to the motion of particles of matter.

a. Chemical. B. Potential. C. Light. D. Thermal

(2)Heat transferred through air by. ………………

a. radiation only. C. Conduction and convention

b. conduction only . d. Radiation and convection.

(3)Material………. On heating.

a. expand b. Contract. C. compress. D. Don't change

(4)The skeletal system takes nutrients from…………..system for the growth of muscles.

a. Circulatory. D. Digestive. C. Nervous. D. Respiratory

B)What happens to

The animal cell is surrounded by a cell wall.

It will take a definite shape

3-A)Write the scientific terms:

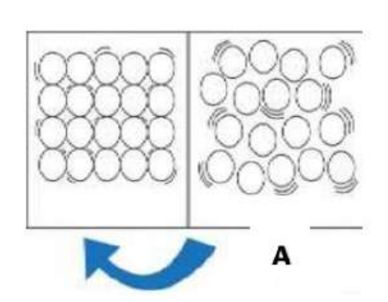
1 – they are sac-like organelles that contain tiny green granules and found in plant cell only (chloroplast)

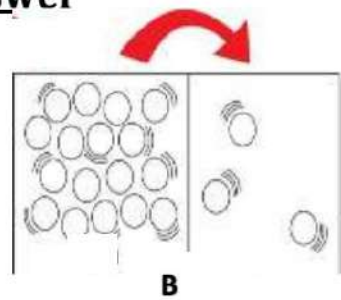
2- it is the system that responsible for storing and get rid of waste materials that produced from the cells (Human urinary system)

3 – the area around the magnet in which its magnetic force appears (magnetic field)

4 – it is the smallest building unit of the matter (Atoms)

B)Study the opposite figures and answer





1-Which of the following figures show expansion of molecules? B

2-Choose

When we heat matter the molecules (**gain** – lose) energy.

and the spaces between its molecules (decrease- **increase.**)

Model answer exam (3)

1-(A) Choose the correct answer:

1- The .... energy is related to the motion of particles of matter.

A. Chemical. B. Potential. C. light. D. Thermal.

2- We can see the cell of ....without using a microscope.

A. Humans. B. lions. C. Plants. D. Birds' egg.

3- .... is used to slow the flow of an electric current in the electric circuit.

A. A battery. B. A switch. C. A resistor. D. A lamp.

4- Heat is transferred through solids by ....

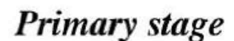
A. Radiation only. B. Conduction only. C. Conduction and Convection. D. Radiation and Convection.

(B) What happens to:

The level of alcohol inside a thermometer if we put it inside cold water.

IT will go down and show low temperature level.

Science department



Primary stage



Model answers Final Revision Primary 6 (2023/2024) 1st term

2 **(A) put true or false:**

1. Exoskeleton gives some insects their shapes. (✓)
2. Cobalt is an example of magnetic materials. (✓)
3. Expansion and contraction of matter occur due to the changes in temperature. (✓)
4. In series circuits, the electric current can flow in different branches. (X)

(B) Give reason for:

- Muscle cells are in the form of long fiber.

To allow movement.

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3 **(A) Correct the underlined word:**

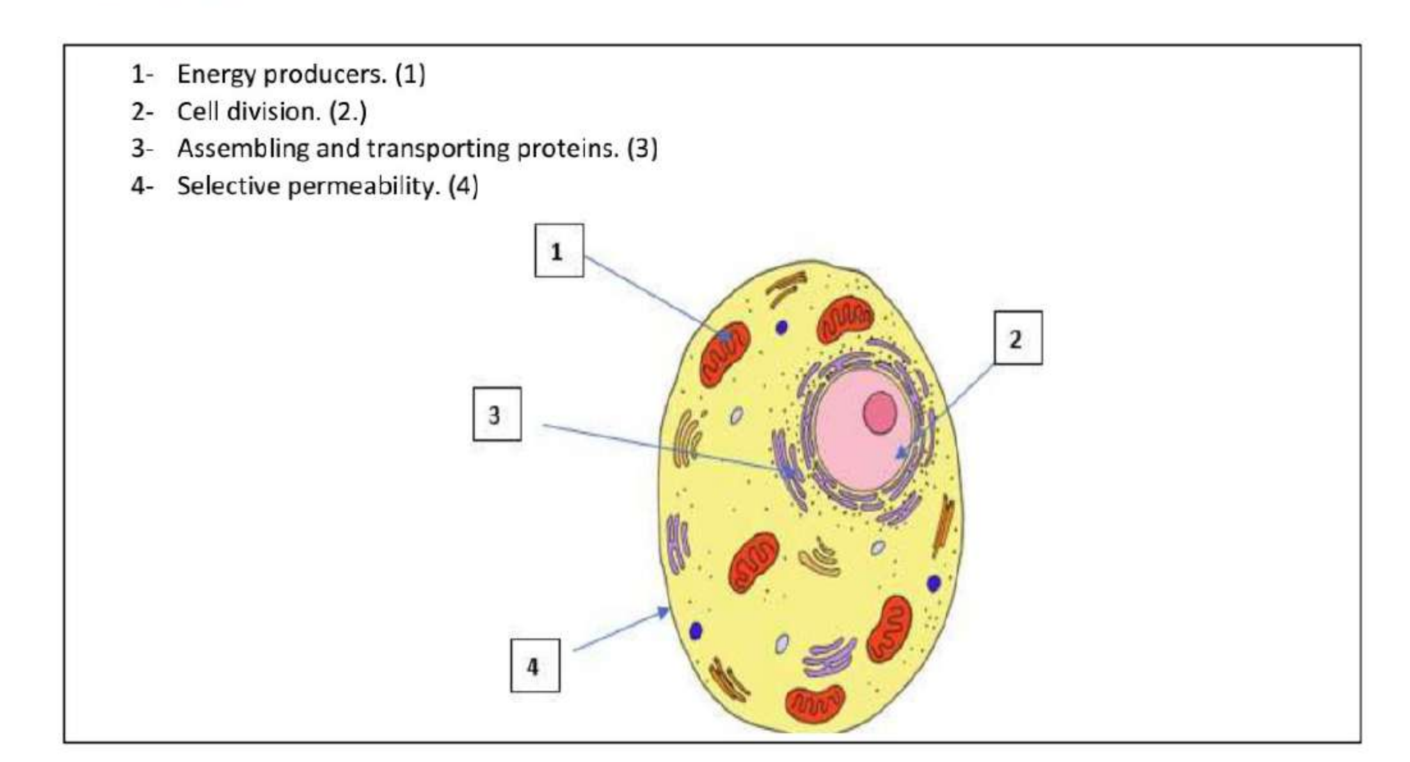
1-Pancreas absorbs most of water from the undigested food. (Large intestine)

2- Changing the state of matter from gas to liquid is called Evaporation. (Condensation)

3- We can see the cells of living organisms with the naked eye. (Microscope)

B) Look at the following figure, then write the correct number beside the suitable sentence:

1- Energy producers. (1)
2- Cell division. (2.)
3- Assembling and transporting proteins. (3)
4- Selective permeability. (4)







Model answer exam (4)

Question (1) : Choose the correct answer:

1) The number of cells which build up a baby's body is............... which build up his father's body.

a. more than b. less than c. equal to d. double

2) Stomach is composed of a group of different.........

a. bacteria b. systems c. organs d. tissues

3) The structure of plant cell which is made up of cellulose is the ....

a. Cell membrane b. cytoplasm c. nucleus d. cell wall

4) The two kidneys remove waste materials as ....,and expel them in the form of urine.

a. Water and urea. c. Urea and blood cells

b. Water and proteins. d. Proteins and blood cells

5) The muscle is considered as.........................

a. a cell. b. a tissue. c. an organ. d. a system

Question (2) : Put (√) or (X) :

1- When chemical change happens, the properties of new materials are the same properties of original materials (X)

2- Plastic is better than wood in making the handle of cooking pots (✓)

3- Heat is transferred through solids and liquids by convection (x)

4- When kinetic energy of molecules decreases, they vibrate slower (✓)

5- Scientists use an artificial pacemaker to stimulate heart to beat regularly (✓)

Question (3) :

A- Write scientific term :

1- It is a green pigment which absorbs the energy of sunlight to make photosynthesis process in plants (……chlorophyll….)

2- The system which helps the body to move (………musculoskeletal…..)

3- The process of expelling urine from the body. (……Urination……)

4- The materials that attracted to the magnet (………magnetic material...)

B- What happens to :

The mass of a piece of butter after melting it

………it will not be changed……………………………



كيفية طباعة صفحات معينة من ملف معين



مثلا ازاى نطبع الصفحات من صفحة 4 الى صفحة 9

خطوة 1

خطوة 2
اختيار اسم الطابعة بتاعتك

خطوة 3
كتابة الصفحات المراد طباعتها
نكتب رقم 4 ثم نكتب الشرطة دي - ثم نكتب 9

خطوة 4
اختيار نوع الورق

خطوة 5
اختيار A4

خطوة 6